

20011217.qrp v02_n408.qrl.20011217

Date: Mon, 17 Dec 2001 19:03:13 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2408

QRP-L Digest 2408

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- 2) [115067] Project Box Alert!
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- 3) [115068] Re: NTE238
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- 4) [115069] Contest: Results ARRL 1oM - K7RE
by Brian Kassel <bkassel@dancris.com>
- 5) [115070] FS (For Sale) SG-2020 with ADSP
by Mike Pupeza <mpupeza@altavista.com>
- 6) [115071] Re: Contest: Results ARRL 1oM - K7RE
by "John J. McDonough" <wb8rcr@arrl.net>
- 7) [115072] Re: Making PCBs at home
by Bruce Muscolino <w6toy@erols.com>
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- 11) [115076] Re:[SPICE] More tapped inductor turmoil
by "Brad Hernlem" <alihernlem@hotmail.com>
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by Ken Newman <N2CQ@Dandy.net>
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by Bruce Rattray <rattray@gpfn.sk.ca>
- 14) [115079] Re: Making PCBs at home
by "Rob Matherly" <kc0bom@arrl.net>
- 15) [115080] Re: Recording Records
by "Mike Yetsko" <myetsko@insydesw.com>
- 16) [115081] Schematic of Stockton Directional Wattmeter
by Ed Kessler <edkess@pa.net>
- 17) [115082] Eight ohm noninductive resistors and a new address
by "Mike Czuhajewski" <wa8mcq@home.com>
- 18) [115083] [Elmer 101] Inductor Value
by rfcdma@spinn.net
- 19) [115084] Ironies of 10 Meter Propagation

- by lenny wintfeld <w2bvh@home.com>
- 20) [115085] HB weekend RESULTS
by "Steve/n0tu" <n0tu@qsl.net>
 - 21) [115086] Re: OP - WAS Rare States
by Jim Larsen AL7FS <AL7FS@ARRL.NET>
 - 22) [115087] Re: Making PCBs at home
by Bob Nielsen <nielsen@oz.net>
 - 23) [115088] 10 M contest
by Bob Nielsen <nielsen@oz.net>
 - 24) [115089] Re: Making PCBs at home
by "Rob Matherly" <kc0bom@arrl.net>
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 - 26) [115091] Re: Making PCBs at home
by Bob Nielsen <nielsen@oz.net>
 - 27) [115092] Re: [SPICE] Tapped Air Inductors
by Jeff Furman <jfurman@ocs.net>
 - 28) [115093] Re: Ironies of 10 Meter Propagation
by Bruce Muscolino <w6toy@erols.com>
 - 29) [115094] Re: Making PCBs at home
by Bruce Muscolino <w6toy@erols.com>
 - 30) [115095] Re: Ironies of 10 Meter Propagation
by wb0wao@hotmail.com (Dennis Ponsness)
 - 31) [115096] 10 meter results
by "George Osier" <gosier@twcnny.rr.com>
 - 32) [115097] FS Century 22 & PS
by paul <ptay1253@yahoo.com>
 - 33) [115098] OT- Help with Standard GX3000V VHF FM Radio
by "Dillabough, Graham CNOPB" <gdillabough@CNOPB.nf.ca>
 - 34) [115099] Re: Making PCBs at home
by "David & Jo Ann Lininger" <djlinin@positech.net>
 - 35) [115100] QRP Afield Results
by Chuck Ludinsky <cjl@mitre.org>
 - 36) [115101] Basement Shack Revisited
by Kenneth Hoglund <hoglund@wfu.edu>
 - 37) [115102] Re: Basement Shack Revisited
by "Mike Yetsko" <myetsko@insydesw.com>
 - 38) [115103] Re: Making PCBs at home
by "Karl F. Larsen" <k5di@zianet.com>
 - 39) [115104] Re: Basement Shack Revisited
by wb0wao@hotmail.com (Dennis Ponsness)
 - 40) [115105] WAS, WY and Team RadioActive Hams
by "Rod N0RC" <rod@n0rc.com>
 - 41) [115106] Re: Basement Shack Revisited
by Kenneth Hoglund <hoglund@wfu.edu>
 - 42) [115107] Re: Making PCBs at home
by Pete Burbank <plburbank@kih.net>
 - 43) [115108] Re: Basement Shack Revisited

- by wb0wao@hotmail.com (Dennis Ponsness)
- 44) [115109] Re: Basement Shack Revisited
by David Hinerman <WD8CIV@worldnet.att.net>
- 45) [115110] CANCEL NEQRP SSB NET
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
- 46) [115111] Re: Basement Shack Revisited
by wb0wao@hotmail.com (Dennis Ponsness)
- 47) [115112] Testing Feedlines and Radiated Power
by Kenneth Hoglund <hoglund@wfu.edu>
- 48) [115113] Resistor stash
by Pete Burbank <plburbank@kih.net>
- 49) [115114] Re: possible virus from ARRL
by mike <mike@kd0ar.homeip.net>
- 50) [115115] RE: [QRP WAS Map 4 free]
by "Kwik, Ed " <ed.kwik@delphiauto.com>
- 51) [115116] posted to QRP INT. Group ..Thoughts ????
- by "George Osier" <gosier@twcny.rr.com>
- 52) [115117] Re: [Elmer 101] Inductor Value
by "Dave Benson" <nn1g@earthlink.net>
- 53) [115118] Basement Shack Revisited
by K5KW@aol.com
- 54) [115119] WTB CW filter
by n2go@arrl.net
- 55) [115120] Re: Testing Feedlines and Radiated Power
by "George, W5YR" <w5yr@att.net>
- 56) [115121] RE: Basement Shack Revisited
by Nick Kennedy <nkennedy@tcainternet.com>
- 57) [115122] Re: Testing Feedlines and Radiated Power
by "Dave Benson" <nn1g@earthlink.net>
- 58) [115123] Re: Making PCBs at home
by Bruce Muscolino <w6toy@erols.com>
- 59) [115124] ATTN: ALEX....RE: WIRE
by "T.W." <wb5qyt@abq.com>
- 60) [115125] RE K2 etc more all SOLD
by N2PTW@cs.com
- 61) [115126] Re: [SPICE] Tapped Air Inductors
by "Brad Hernlem" <alihernlem@hotmail.com>
- 62) [115127] DXpedition 2 Delaware
by Tim O'Rourke <TORourke@KaiserFT.com>
- 63) [115128] FS
by Edwin Lappi <ae4ec@usa.net>
- 64) [115129] Re: HB weekend RESULTS
by "Steve/n0tu" <n0tu@qsl.net>
- 65) [115130] Re: DXpedition 2 Delaware
by "Tim A. King Jr." <iflyos@hotmail.com>
- 66) [115131] Re: Making PCBs at home
by "Leon Heller" <leon_heller@hotmail.com>
- 67) [115132] Delaware 29 December was: Re: DXpedition 2 Delaware

- by brickle <brickle@pobox.com>
- 68) [115133] Inadvertent message via ARRL Letter list (fwd)
by "Karl F. Larsen" <k5di@zianet.com>
- 69) [115134] Re: Delaware 29 December was: Re: DXpedition 2 Delaware
by David Hinerman <WD8CIV@worldnet.att.net>
- 70) [115135] Enclosures
by "Phinizy, William" <wphinizy@filenet.com>
- 71) [115136] RE:Delaware 29 December
by Kenneth Hoglund <hoglund@wfu.edu>
- 72) [115137] Re: [Elmer 101] Inductor Value
by "blinn" <blinn@smsgazette.com>
- 73) [115138] Re: Enclosures
by "blinn" <blinn@smsgazette.com>
- 74) [115139] RG-58 Power Handling Limit
by K5KW@aol.com
- 75) [115140] Enclosures
by "Rene Correa" <correalaw@earthlink.net>
- 76) [115141] Re: Delaware 29 December
by "W3CDE Jerry L." <w3cde@bellsouth.net>
- 77) [115142] Re: Delaware 29 December was: Re: DXpedition 2 Delaware
by brickle <brickle@pobox.com>
- 78) [115143] Re: Delaware 29 December was: Re: DXpedition 2 Delaware
by W2AGN <w2agn@pobox.com>
- 79) [115144] Re: Making PCBs at home
by Pete Burbank <plburbank@kih.net>
- 80) [115145] Delaware?
by euraamcom pages <mel@euramcom.freemove.co.uk>
- 81) [115146] Re: Making PCBs at home
by David Hinerman <WD8CIV@worldnet.att.net>
- 82) [115147] Photo of our own W1RFI
by Larry Cahoon <lejek@erols.com>
- 83) [115148] OT: Opinions on Earthlink?
by Bob Okas <vintage@vintage.best.vwh.net>
- 84) [115149] Re: Opinions on Earthlink?
by "Mike Yetsko" <myetsko@insydesw.com>
- 85) [115150] Re: OT: Opinions on Earthlink?
by <igeq100@iupui.edu>
- 86) [115151] KE6RIE Straight Key Experience?
by "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
- 87) [115152] Re: Opinions on Earthlink?
by "John J. McDonough" <wb8rcr@arrl.net>
- 88) [115153] Re: Opinions on Earthlink?
by "John L.Sielke" <jsielke@pobox.com>
- 89) [115154] Re: DXpedition 2 Delaware
by "Bob Hightower" <nk7m@extremezone.com>
- 90) [115155] Re: Delaware 29 December was: Re: DXpedition 2 Delaware
by "Rod N0RC" <rod@n0rc.com>
- 91) [115156] WANTED: Kits and Stuff

by "Brice D. Hornback" <bdh@cyberbound.net>
92) [115157] Re: DXpedition 2 Delaware
by "Harry Hurst" <wa3ptg@home.com>
93) [115158] Re: Delaware 29 December was: Re: DXpedition 2 Delaware
by "Harry Hurst" <wa3ptg@home.com>
94) [115159] Re: Log Correction VE3FAL
by Fred Lesnick <flesnick@tbaytel.net>

Date: Sun, 16 Dec 2001 19:47:51 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115066] Re: NTE238
Message-ID: <3C1D40B7.AA395CF3@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yea...but sneaking in the neighbors house, and making off with their
sets, can get you in trouble :-)

Rob Matherly wrote:

> Once they goof, they're scrapped! :^)
>

Date: Sun, 16 Dec 2001 19:49:38 -0500
From: "David Porter" <aa3ur@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115067] Project Box Alert!
Message-ID: <006901c18694\$b58d4260\$927ba8c0@jamison1.pa.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

'Tis the season for larger small metal boxes.

I just found two more today. Dockers is selling belts, wallets, and
manicure sets in a nice 5 1/2 by 4 by 2 3/4 metal box. I found these at T J
Maxx.

If you have a Kohl's near you they are selling a bunch of cute tools and things in a Croft and Barrow box that is 6 1/4 by 3/14 by 1 3/4. All dimensions are outside measures. Kohl's was selling these things at 50% off or \$7.50. In addition, they have Levi's watches in a very nice plastic box, no dimensions on that one. Last year it was metal. If I remember correctly, it is a little shorter in height, but a little deeper than the Croft and Barrow boxes.

You could fit a couple of transceivers in one of these things, or even a QRP full gallon plus, or a transceiver, antenna tuner, swr bridge, and a battery. I had a bad case of metal box envy.

73

David Porter AA3UR
aa3ur@home.com

Date: Sun, 16 Dec 2001 18:50:35 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <pwomble1@tampabay.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115068] Re: NTE238
Message-ID: <00dd01c18694\$d89045a0\$8e11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Shhhhhhhh..... keep quiet! :^)

72/73/oo

Rob, kc0bom

ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----

From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Sunday, December 16, 2001 6:47 PM
Subject: Re: NTE238

Yea...but sneaking in the neighbors house, and making off with their sets, can get you in trouble :-)

Rob Matherly wrote:

> Once they goof, they're scrapped! :^)
>

Date: Sun, 16 Dec 2001 17:50:05 -0700
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@lehigh.edu>, azqrp <azqrp@extremezone.com>,
Floyd Smithberg <nq7x@earthlink.net>,
Subject: [115069] Contest: Results ARRL 1oM - K7RE
Message-ID: <3C1D413D.38B28F65@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gangue:

Wow, what a weekend! Conditions were very good for this year's running of the ARRL 10M contest. I worked only CW, so this is a CW only entry. I worked all 50 states, and 9 Canadian Provinces, 53 different countries, and 733 QSO's with 2396 QSO points. My raw score comes to 328,896. My goal was to double my score from last year, which was about 114,000. I succeeded my wildest expectations.

I tried a little something different. I replaced my usual 3 element HyGain tribander with a 2 el that I had given to me some years ago. I wanted to work on the 3 element while the temps are nice here in the AZ valley. I also put up, at a right angle, a Cushcraft D4 rotatable dipole that I picked up at a hamfest a few weekends ago. My strategy was to be able to switch between them, rather than try to rotate the antenna each time a different compass direction was attempted to be worked.

Highlights:

WAS! With just 22 minutes left in the contest, a WY station came back to my CQ. It had been the last state for me to work since about Sunday noon, thought that I would NEVER get a WAS on 10M in one weekend.

Having ZS2E in South Africa and VE9DX call me. Many of the old reliable QRP gang seemed to be on for this one as well. Always lot's of fun working the QRP crowd.

I'll sure be missing the good old 10M band when the sunspots die away. I am now officially ready for the ARRL CW DX test in February ;)

Brian K7RE

Date: 16 Dec 2001 16:56:30 -0800
From: Mike Pupeza <mpupeza@altavista.com>
To: QRP-L@Lehigh.EDU
Subject: [115070] FS (For Sale) SG-2020 with ADSP
Message-ID: <20011217005630.23933.cpmta@c016.snv.cp.net>
Content-Type: text/plain
Content-Disposition: inline
Mime-Version: 1.0

Hi All:
For Sale
SGC SG-2020 with ADSP
The ADSP was recently factory installed, and the radio has the latest upgrades. This rig is in excellent condition and has just been checked over by SGC. Looks like new.
Complete with Flip-foot, hand mike, power connector and short cable, and manuals. \$550 plus shipping from 32931.
VE3EQP/W4
Mike Pupeza
mpupeza@altavista.com
(321) 868-1705

Find the best deals on the web at AltaVista Shopping!
<http://www.shopping.altavista.com>

Date: Sun, 16 Dec 2001 20:03:41 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [115071] Re: Contest: Results ARRL 1oM - K7RE
Message-ID: <01b801c18696\$ad548b60\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Brian Kassel" <bkassel@dancris.com>

Subject: Contest: Results ARRL 1oM - K7RE

> Many of the old reliable QRP gang seemed to be on for this
> one as well. Always lot's of fun working the QRP crowd.

hehe - I was absolutely not going to play in this one, but then I heard K1PT and, well, gotta give a fellow QRPer a point, then I got N4BP and that made it an official contest!

So I played around a bit, seemed like I was picking up new countries at a faster rate than I should, so I went through my log to see if perhaps this year was a little more lean in countries than previous. While doing that, I noticed that I hadn't made a phone contact since '99. Well, I dug the mike out from the bottom of the pile of junk, and moved up to the phone section. I made a handful of contacts surprisingly easily for 5 watts, but I quickly remembered how much I hate phone.

So back to the CW portion where I worked Brian, and mostly hunted around for other familiar calls.

All in all, not much of a showing, but quite a bit of fun. I agree with Brian, it's going to be sad when the sunspots fade and 10 with them.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Sun, 16 Dec 2001 20:15:43 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: leon_heller@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115072] Re: Making PCBs at home
Message-ID: <3C1D473F.A772CF0@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Leon,

Just an add on note, be careful of where you throw away your used etchant. Many jurisdictions have laws against putting it in the drains! Check first, it may save a nasty fine! It will also kill grass and shrubs, so throwing it in the backyard is out!

73

Date: Sun, 16 Dec 2001 19:26:14 -0600
From: Tim Pettibone <k5oi@cowboy.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115073] Re: Contest: Results ARRL 1oM - K7RE
Message-ID: <5.1.0.14.0.20011216191754.009e6dd0@cowboy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang:

Wow from me too. I wasn't going to play in this one but couldn't resist. Didn't put in too much time because we had Graduate College Convocation but worked 102 QSOs, 32 mults and a total of 13,506 points. Used the K2 @ 5W to a random wire INSIDE the house! Had one spurt of a Q rate exceeding 40 per hour. Worked 9A, EI, HA, HB, JA and S5. Only worked 20 states and 6 Canadian Provinces. Did only hunt and pounce. I've got to try holding a frequency one of these days.

Seems to me that even in bad years 10 meters hops for this contest. Shows what you can do when people actually get on the band and operate. Missed Brian though.

Tim K5OI
Stillwater, OK

Date: Sun, 16 Dec 2001 19:36:03 -0600
From: "ukii" <ukii@core.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115074] Recording Records
Message-ID: <00cc01c1869b\$32789260\$993028d0@hans>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Howdy Gang...

Ok,so this is no way qrp related,but where else
can one find such a knowledgeable,thoughtful,courteous
group of people? (enuff?)

ANYWHO,caught the tail end of tv program that showed
how to make audio records at home out of CD blanks...

Anyone have an idea how to record audio onto something
to play on a phonograph.

Yes the guy had a CD playing on a record player,it had his voice on it...

Any help?

My kid would love to have some voice-overs on record
(vinyl)

Thanks Much!

John
n9ukx

Date: Sun, 16 Dec 2001 21:14:26 EST
From: N0tk@aol.com
To: w2agn@pobox.com, qrp-1@lehigh.edu
Subject: [115075] Re: WAS
Message-ID: <87.14d47f56.294eaf02@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

John

DE from NJ on 10m on QRP is difficult. A lot easier from here. Worked 2 DE
stations in the 10m contest. Antenna was an EDZ with computer ribbon cable as
feedline. Tx power was 4w. Now if I could only work WY.

72/73

Dan N0TK

Date: Mon, 17 Dec 2001 02:20:16
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Cc: MertNellis@aol.com
Subject: [115076] Re:[SPICE] More tapped inductor turmoil
Message-ID: <F84IEoPXCFbN4TZyabY0000537f@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Mert and friends,

While I fully agree with you and Leon on the coupling coefficient for air coils, I am simply pointing out that the simulations did not work when I assigned values for the coil portions using the free standing coil formula whereas I normally find those formulas useful for estimating inductance of simple coils. Using the proportions of my real inductor, the simulations required a K value of 0.14 with the values of inductance from the free standing formula in order to get the pair to "look like" the whole coil. BUT, when I added the tuning capacitor at the tap, the tuning range was about an order of magnitude greater than the real life circuit.

When I chose instead to assign inductances according to turns proportions squared and setting $K = 1$, the simulation was close.

This could be coincidence. It could be that I am a neophyte to SPICE and am just fooling my self, making a mistake, &c.

Personally, I think that the free standing coil formulas fail for tapped inductors because they incorporate an assumption of no proximal coils. You still have to find a way to solve the problem of assigning values for the coil portions.

I guess that it is time to hit the journals. Somebody must have worked out the details (and probably 100+ years ago).

Brad

Hi guys,

I was about to weigh in on this thread about tapped inductors when Leon hit the nail on the head with the following:

>Something else just struck me. Air-cored coils have a low coupling
>coefficient and mutual inductance. The values are roughly OK with $K = 0.2$
>or so. This bears out my theory about the coils influencing each other's
>inductance.

This is exactly what I was about to interject. The mutual inductance between the parts of the coil must be taken into account. I agree that the coefficient of coupling for a tapped coil wound as a single layer solenoid on air is small. The $k=0.2$ sounds resonable. I did some experimenting last summer with coupled air wound coils and could get close to $k=0.8$ with equal

turn coils coupled one directly over the other. I was testing small coils made by winding one on an empty 12 Ga shotgun shell and the other on a 20 Ga shell (as coil forms), about 10 turns each. I was attempting to get as much

coupling as possible to make a variable inductor by sliding them together connected in series to get $L = L1 + L2 \pm 2M$. Where M is the mutual given by formula as $M = K \sqrt{L1 \cdot L2}$. M may be + or -, of course, depending on aiding or bucking windings. One interesting case is that for $L1 = L2$, if $K = 1$ and bucking the total inductance goes to zero. Ever connect a dual primary power transformer to the line with the coils bucking?

Anyway, to model the tapped coil, I would think that $L1 + L2 \pm 2M$ would be the way to go and possibly the $k = 0.2$ is close.

Have Fun! Mert W0UFO MNQRP

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Sun, 16 Dec 2001 21:20:52 -0500
From: Ken Newman <N2CQ@Dandy.net>
To: epaqrp-1@Lehigh.EDU, QRP-L@Lehigh.EDU, njqrp@njqrp.org,
n9avg@amsat.org
Subject: [115077] 10 Meter Contest: N2CQ
Message-ID: <3.0.6.32.20011216212052.00810100@mail.dandy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I dug out the Green Mountains-10 Xcvt to see how it is doing on the Ten meter Contest.
Looks like it is doing just fine with it's QRPP 700 MW output! Didn't find any station that couldn't copy me including EU, NA, SA and OC. KH6 may have been the best DX or LU could be close. Almost all were 1000 MI/Watt winners. The 35 per hour QSO rate is SOMETHING for this little thing! I hope 10 m stays alive for a few years yet. GTEAT FUN!!

2001 ARRL TEN METER CONTEST

Call used: N2CQ

Location: NJ

Category: Single Op Single Band

Mode: CW

Power: 0.7 W

Callsign of Operator: N2CQ

Exchanged Information: N2CQ RST NJ

Hours of Operation: 02:26

band	QSOs	points	mults
CW	87	348	39
PH	0	0	0
TOTAL	87	348	39

SCORE: 13,572

72 de

Ken Newman - N2CQ

Woodbury, NJ

FM29jt

N2CQ@ARRL.NET

== QRP CONTEST CALENDAR ==

<http://www.njqrp.org/data/contesting.html>

Date: Sun, 16 Dec 2001 20:32:25 -0600 (CST)

From: Bruce Rattray <rattray@gpfn.sk.ca>

To: Brian Kassel <bkassel@dancris.com>

Cc: Sam Ferris <ve5sf@sk.sympatico.ca>,

QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,

Subject: [115078] Re: Contest: Results ARRL 1oM - K7RE

Message-ID: <Pine.LNX.4.33.0112162017490.9513-100000@neale.gpfn.sk.ca>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Congratulations on such a fine QRP showing Brian.....I just e-mailed my results to the ARRL(used N3FJP's fine software)...I was in & out as VE5QRP for approx. 8-9 hours inbetween family activities...I really had a fun time and for the first time worked mostly CW...I worked about 203 Qs, 89 mults for a total score of 60342 points...I was lucky enough that my 5 watts was heard by PJ2T through the huge pileup he had going...but then this was 10 mtrs, the qrp band...I started out on SSB but had the urge to change to CW, which I did...this was the first contest that most of my Qs were CW and it was fun... somehow CW seems to be much more relaxing than SSB...many of the stations were rrrripping along so I would copy them 2/3

times, get the info and then jump in to work them...it was great!...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 16 Dec 2001 20:50:02 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115079] Re: Making PCBs at home
Message-ID: <012601c186a5\$8aa85ce0\$8e11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Good point Bruce! According to my electronics teacher and the bottle of etchant I bought at radio shack a while back, the only safe way to dispose of it is to flush it down the toilet.... That of course provided you don't use a septic system :^)

I would think that flushing it would be as bad as pouring it down the drain, but when you stop and think of the refining process that toilet water goes through, I can see where it would be safe.

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP-I #19

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----
From: Bruce Muscolino <w6toy@erols.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Sunday, December 16, 2001 7:15 PM
Subject: Re: Making PCBs at home

Leon,

Just an add on note, be careful of where you throw away your used etchant. Many jurisdictions have laws against putting it in the drains! Check first, it may save a nasty fine! It will also kill grass and shrubs, so throwing it in the backyard is out!

73

Date: Sun, 16 Dec 2001 22:16:24 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <ukii@core.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [115080] Re: Recording Records
Message-ID: <001b01c186a9\$3cbe8b40\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> ANYWHO, caught the tail end of tv program that showed
> how to make audio records at home out of CD blanks...
> Anyone have an idea how to record audio onto something
> to play on a phonograph.
> Yes the guy had a CD playing on a record player, it had his voice on
it...
> Any help?
> My kid would love to have some voice-overs on record
> (vinyl)
>
> Thanks Much!
> John
> n9ukx

Well, first off, you'd need the 'mechanical' positioning correct. Item one would be a turntable at the right speed. With TONS of torque, as it'd have to hold speed against a cutter. Second, you'd need the position of the 'stylus', which would make a spiral in from the edge.

Professional cutters, even as far back as the 80's, had a 'lookahead' feature that spaced the grooves differently so that there would not be 'print through' from adjacent track distortion when there were loud passages.

But, assuming you solve those two issues...

You could do it 'low fidelity' by just making a cutting needle move sideways based on audio drive.

Hmm, for a SIMPLE demonstration... If I had a setup that would cut a spiral, I'd just put a coil on the 'side' of a needle and make it vibrate with audio drive. It might be easier if you used an X-Acto blade and had an electromagnet pull sideways on the 'plate' of the blade.

To improve the fidelity either make the blade 'push pull' or else set it up as a 'half force' offset similar to a voltage offset as if you were driving a transistor circuit around a 1/2V offset.

Then try to add stereo....

Mike

Date: Sun, 16 Dec 2001 22:17:17 -0500
From: Ed Kessler <edkess@pa.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115081] Schematic of Stockton Directional Wattmeter
Message-ID: <5.0.2.1.0.20011216221533.00a21c50@mail.pa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Does anyone have a schematic of the Stockton Directional Wattmeter that could be emailed to me?

Thanks,
Ed AA3sJ

Date: Sun, 16 Dec 2001 22:52:50 -0500
From: "Mike Czuhajewski" <wa8mcq@home.com>
To: <qrp-l@lehigh.edu>
Cc: <wa8mcq@home.com>
Subject: [115082] Eight ohm noninductive resistors and a new address

Message-ID: <004701c186ae\$4ef9a6a0\$6fc5b418@gambrills1.md.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

First topic--if anyone has me in their address books, please change my address to

wa8mcq@home.com.

With the cost of the second phone line dedicated to the computer (including all the miscellaneous taxes and charges they tack on), as well as a price increase from my ISP, it was actually a bit cheaper to get rid of the second phone line and 56K modem and go to the vastly superior cable modem.

Second topic--Eight ohm Radio Shack resistors as dummy loads. A while back someone mentioned that the Shack has these things and suggested that six in series, for 48 ohms, might make a reasonably good dummy load. They are, after all, labeled as noninductive. I bought some and did some tests on an HP 8753D vector network analyzer and the short answer is, not surprisingly, "don't even think about it!" (Hint--the front of the package says "non-inductive for audio applications" and the rear says "Non-inductive from 0-20 KHz.")

Since these cost a buck and a half each and I'd only use them for tests and then toss them out, I bought just three. In series that would give me 24 ohms, and an SWR of slightly over 2. That's perfectly OK since the only thing I'm interested in is how they perform as frequency increases, and not actually using them as a load. If the SWR stays fairly close to 2 across a reasonable range they'd make a good load. If the SWR increases significantly, they would not be usable in that application.

I put them side by side on a piece of unetched PCB material, suspended about a quarter of an inch above it to reduce the effects of capacitance to ground, and terminated with a BNC socket. At 30 KHz, the low end of the network analyzer range, the SWR was 2.15 and that's about right since the actual resistance is slightly below 24 ohms. It was the same at 1 MHz, but rose to 2.5 at 7 MHz. At 14 MHz it was 2.8, 3.6 at 21 MHz, and 4.7 at 28. That definitely discourages using them at HF; if they were truly non-inductive, the SWR would stay close to 2.15.

I decided to buy some more resistors and actually try six in series, which would be within a few percent of 50 ohms. (Starting to get expensive now.) I tried them in a variety of physical

configurations--side by side flat on the board in two groups of 3, side by side but spaced away from the board a bit, then spread out horizontally, and finally spread out in a large loop sticking up in the air. Results varied depending on the precise configuration, since the mutual coupling as well as capacitance to ground varied, but all configurations shared one common theme: stunningly poor operation at RF.

With a measured resistance of about 47.1 ohms, the SWR should be about 1.06. At 30 KHz it was 1.07, rising to 1.13 at 1 MHz. But at 3.5 MHz the SWR was 1.44, which is not encouraging in the least. At 7 MHz it was up to 2.04, and by now I think most folks are getting the subtle hint to not use these as a load at RF :-). If you need more convincing, the SWR was 3.8 at 14 MHz, 9.9 at 28 MHz and 13.6 at 50 MHz. Although I had set the analyzer to sweep to 100 MHz, I didn't bother recording any more numbers. They'd only be good for shock value.

I examined one under the industrial X-ray machine to see what the winding technique was; I presumed they were wirewound, and it turned out that they were. I could clearly see two windings but since it's only a 2 dimensional display it wasn't clear if they were wound in the same or opposing directions. I cracked the body off to reveal the ceramic cylinder with two pieces of wire wound in opposite directions. They crossed over each other at regular intervals, and since they were bare they shorted to each other at those points. I had heard it said that some noninductive resistors are wound in one direction for half of the length, then the direction reversed for the rest of the length to make the magnetic fields cancel out, but this was not the case here.

Steve Yates, AA5TB (aa5tb@arrl.net) said this on QRP-L when this topic was discussed a few weeks back:

"Even with good non-inductive resistors it is usually better to parallel several high resistance resistors than it is to series connect several low resistance resistors. The inductance of every resistor will add together in the series configuration and will limit the useable upper frequency limit. The best approach that I have found (probably learned from the late Doug DeMaw, W1FB) is to parallel several resistors together by using some scrap double-side PC board as low impedance end connections.

"Simply drill holes where the leads will protrude and solder them to the copper. This minimizes the inductance. With very small resistors there may be too much capacitance between the end plates but with standard carbon resistors of a couple of watts or greater rating this isn't a problem because of the large spacing. I usually use four 2 watt, 200 ohm resistors in parallel. This gives me 50 ohms and easily

handles 5 watts."

My Idea Exchange column in the January 2002 issue of the QRP Quarterly will have some additional details plus photos. It will also have the R + jX data for the full set of readings that I took, and most of those numbers are rather appalling :-)

73 and queue our pea de WA8MCQ
New address----- wa8mcq@home.com

Date: Sun, 16 Dec 2001 20:58:45 -0700
From: rfcdma@spinn.net
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115083] [Elmer 101] Inductor Value
Message-ID: <3C1D6D75.6CCE589F@spinn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My L1 came out to 3.1 microHenry's for the 30+
What tolerance should we expect. This is 9.1% off from the 3.4
specified?

Oscillator sings....just slightly off key 2.46Mhz instead of 2.42Mhz
(without c7)

-WD7Z

Date: Sun, 16 Dec 2001 23:39:22 -0500
From: lenny wintfeld <w2bvh@home.com>
To: "[Low Power Amateur Radio Discussion]" <qrp-1@Lehigh.EDU>
Subject: [115084] Ironies of 10 Meter Propagation
Message-ID: <3C1D76FA.C2BB5AC9@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi

In the last 2 days, during the ARRL 10M contest I
got a practical lesson in propagation. I worked half a

dozen JA's, a VK, a ZL, and uncounted W6's and W7's from here in NJ. But I couldn't buy a QSO with NY (and the closest point to NY from here is about 5 miles!).

Rutledge's book "The Electronics of Radio" says on p.304 "A peculiar feature of ionospheric radio communication is that when the frequency is greater than f_c (critical frequency) there is a minimum range. As the range decreases, the incident angle on the ionosphere becomes less than the critical angle and the wave passes through the ionosphere without reflection". e.g. if you're too close you're not heard.

Well based on that, I'd say 28 MHz was WELL over the critical frequency this weekend!

73,

Lenny W2BVH

Date: Sun, 16 Dec 2001 21:50:06 -0700
From: "Steve/n0tu" <n0tu@qsl.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [115085] HB weekend RESULTS
Message-ID: <000701c186b6\$550d7640\$6a211d82@cos.agilent.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Been collecting parts the last 6 months for another HB SST. AND I got a new(used) solder iron from Rod/N0RC a few weeks back. So, I had to put it to melting solder this weekend. I tried to pack this 2nd version of a HB sst into a smaller foot print than my first one. I left the VXO outboard! Gives me more options on packaging. <http://www.qsl.net/n0tu/images/HB40msst.JPG>

At first I had the wrong xtal in the RX mixer 11MHz (IF is 4MHz)and all I could hear was a loud carrier? HUH?... the VXO runs at 11 MHz the IF is supposed be 4 MHz!DUH! But it works now!!! (with the right 4MHz xtal) Woohoo! Does it!? 40m was awesome tonite! Worked an old ham buddy K0ZK in ME on this lil rig @ 500mW! The TX still needs a little tweaking. Should see ~ 2W I hope! Kinda looks like a plan ahead sign ...I started with plenty of

room and ran out when I got to the TX(left). The Jumbo LED on right is the s-meter/AGC. Almost blinds you in a dark room.

<http://www.qsl.net/n0tu/images/HB40msst1.JPG>

Learning alot about drivers PAs etc. W1FB's QRP Handbook is my bible right now. FUN stuff! ~ Steve/n0tu ~

Date: Sun, 16 Dec 2001 20:14:32 -0900
From: Jim Larsen AL7FS <AL7FS@ARRL.NET>
To: pstrdave@kdsi.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115086] Re: OP - WAS Rare States
Message-ID: <3C1D7F38.C79F0838@ARRL.NET>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nebraska was my last state QRP. Thank you Nebraska hams.

I am strangely pleased that you folks don't think Alaska is rare. :-)
It is nice to have a handful of QRPers on from Alaska. KL7GN, WL7CDC, KL7IKV, KL7HF (once in a while), me, plus more. This is good.

73, Jim
Jim Larsen, AL7FS, Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
<mailto:al7fs@arrl.net> - <http://www.qsl.net/al7fs/>

David Heintzleman wrote:

>
> Hey, I'm in Nebraska -
> K8BBM/0

--

Date: Sun, 16 Dec 2001 21:17:01 -0800
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115087] Re: Making PCBs at home
Message-ID: <20011217051701.GA5858@oz.net>
Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

I suspect that flushing it down the toilet is probably no longer legal. I remember when my former employer got fined because someone discharged some deionized water (which is about as pure as it gets, short of distilling) into the sewer system. Most counties have a hazardous material disposal facility, which is probably the only viable choice.

Bob, N7XY

On Sun, Dec 16, 2001 at 08:50:02PM -0600, Rob Matherly wrote:

> Good point Bruce! According to my electronics teacher and the bottle of
> etchant I bought at radio shack a while back, the only safe way to dispose
> of it is to flush it down the toilet.... That of course provided you don't
> use a septic system :^)

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> I would think that flushing it would be as bad as pouring it down the
> drain, but when you stop and think of the refining process that toilet
> water goes through, I can see where it would be safe.

>

> 72/73/oo

> Rob, kc0bom

> ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

>

> -----

> Visit my website! <http://www.qsl.net/kc0bom/hamradio>

>

> AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

>

> ----- Original Message -----

> From: Bruce Muscolino <w6toy@erols.com>

> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

> Sent: Sunday, December 16, 2001 7:15 PM

> Subject: Re: Making PCBs at home

>

>

>

>

> Leon,

>

> Just an add on note, be careful of where you throw away your used
> etchant. Many jurisdictions have laws against putting it in the
> drains! Check first, it may save a nasty fine! It will also kill grass
> and shrubs, so throwing it in the backyard is out!

>

> 73

>

--

Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Sun, 16 Dec 2001 21:26:13 -0800
From: Bob Nielsen <nielsen@oz.net>
To: qrp-1@lehigh.edu
Subject: [115088] 10 M contest
Message-ID: <20011217052613.GB5858@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

I didn't have a lot of available time to work the contest, but it seemed to be a good opportunity to get some new QRP countries. I was using QRP-Dupe, but wrote down the new ones in my paper log, as well. It was good that I did because I had forgotten to save the file after quitting Saturday evening and a nearby tree blew down in the rainstorm we're having, which took out the power for several hours. Of course the battery of my laptop wasn't able to keep it running that long, so the computer log was lost. I did pick up 6 new countries, which raised my country total to 100 since the first of the year, all with a fairly simple wire antenna, so I am a happy camper despite losing the contest log.

--

Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Mon, 17 Dec 2001 00:23:31 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <nielsen@oz.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115089] Re: Making PCBs at home
Message-ID: <019801c186c3\$5fe878a0\$8e11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Maybe I'm misunderstanding you (which I probably am :^), you're saying the

guy got fined for putting pure water down the toilet?

72/73/oo

Rob, kc0bom

ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----

From: Bob Nielsen <nielsen@oz.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Sunday, December 16, 2001 11:17 PM

Subject: Re: Making PCBs at home

I suspect that flushing it down the toilet is probably no longer legal. I remember when my former employer got fined because someone discharged some deionized water (which is about as pure as it gets, short of distailling) into the sewer system. Most counties have a hazardous material disposal facility, which is probably the only viable choice.

Bob, N7XY

On Sun, Dec 16, 2001 at 08:50:02PM -0600, Rob Matherly wrote:

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> AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

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> ----- Original Message -----

> From: Bruce Muscolino <w6toy@erols.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Sent: Sunday, December 16, 2001 7:15 PM
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--

Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Sun, 16 Dec 2001 23:28:50 -0700
From: "Floyd Smithberg" <nq7x@earthlink.net>
To: "QRP-L Message" <qrp-l@lehigh.edu>
Subject: [115090] ARRL 10 Meter Test
Message-ID: <002d01c186c4\$181313e0\$37253941@floyd>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wow 10 meters was at it's best for this one. Worked SSB only and all S&P.
Had a pipeline to EU...wrkd 51 Eu, only 20 JA and 11 SA out of 209 Qs. Had 3
EU stations comment on big signal and were amazed after I told them I was
QRP 5W. Picked up two new ones in JT1C0 Mongolia and TK1W Corsica for a new
total of 183.

209Qs 418Pts 44DomMults 36Countries = 33,400pts Op Time = 8.5 hrs
TS850/5W 3el Triband TR6.60
73 Floyd NQ7X Phoenix,AZ ScQRPion DM33vk

Date: Sun, 16 Dec 2001 23:11:15 -0800
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115091] Re: Making PCBs at home
Message-ID: <20011217071114.GA6110@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Actually I believe it was a sink, but there's not much difference.

Bob N7XY

On Mon, Dec 17, 2001 at 12:23:31AM -0600, Rob Matherly wrote:
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> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
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> > Visit my website! <http://www.qsl.net/kc0bom/hamradio>
> >
> > AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net
> >
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> > From: Bruce Muscolino <w6toy@erols.com>
> > To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> > Sent: Sunday, December 16, 2001 7:15 PM
> > Subject: Re: Making PCBs at home
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Date: Mon, 17 Dec 2001 01:22:51 -0800 (PST)
From: Jeff Furman <jfurman@ocs.net>
To: alihernlem@hotmail.com, leon_heller@hotmail.com,
MertNellis@aol.com, WD8CIV@worldnet.att.net, qrp-l@lehigh.edu
Subject: [115092] Re: [SPICE] Tapped Air Inductors
Message-ID: <Pine.LNX.4.21.0112162338400.7766-100000@ocs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gentlemen:

I spent some idle time this weekend fiddling with this problem.
I used two accepted facts: $L_t = L_1 + L_2 + 2 \cdot M$ and Wheeler's
approximation formula for not too short inductors:

$$L = (r \cdot n)^2 / ((9 \cdot r) + (10 \cdot l))$$

from Wheeler, "Simple inductance formulas for radio coils"

Proceedings of the IRE, Vol. 16, Oct. 1928, p. 1398.
For Wheeler's formula (supposed to be accurate to better than 1%),
L is in uH
r is the coil radius in inches
l is the (uniform) winding length in inches ($l > 0.8 \cdot r$)
n is the number of turns

I used L1, of n1 turns, as the first part of the whole coil and
L2, of n2 turns, as the second part of the coil.
Then the whole coil has inductance Lt from (n1 + n2) turns.

of course, each of these inductances is evaluated (symbolically) by
Wheeler's formula.

what I got is:

$$M = (9 \cdot L_t \cdot L_1 \cdot L_2) \cdot ((n_1^2 / L_1) + (n_2^2 / L_2)) / (2 \cdot r \cdot n_1 \cdot n_2 \cdot ((n_1 + n_2)^2))$$

considering the amount of algebra I used to get this, please be advised
there is a non zero possibility of some minor or major error in this
result, so, YMMV. It does have a pleasing and expected symmetry of the two
coils, but that's a very weak check. Someone using Mathematica might
check this.

This relies on the validity of Wheeler's formula. Since that is a fit to
empirical data, this is not an absolute relation, but an approximation.

73, Jeff AD6MX

Date: Mon, 17 Dec 2001 06:57:11 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: w2bvh@home.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115093] Re: Ironies of 10 Meter Propagation
Message-ID: <3C1DDD97.8FD7563B@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

lenny,

You've just had an encounter with skip! 10 meters is a great band for

long skip. You're asking for ground wave, and that is not so easy to find. Many years ago we used to have a net on 10 meters that took advantage of ground wave to permit communications of about 50 miles. It was iffy at best at the extreme ends of the range! Recently I have had some experience with ground wave propagation on 20 meters, trying to work stations 100 miles away in a contest. They were quite weak and the QSOs were difficult! You wouldn't probably hear them on 10 meters unless you set up a schedule and listened several times.

73

Date: Mon, 17 Dec 2001 07:01:28 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: nielsen@oz.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115094] Re: Making PCBs at home
Message-ID: <3C1DDE98.BCF3EA58@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob,

I agree with you. Back a few years when I managed a photo lab in California we were always having trouble with CAL OSHA about leaks from our waste disposal system. We pumped the waste into plastic barrels that were picked up periodically by a waste disposal company.

73

Date: Mon, 17 Dec 2001 07:11:29 -0500 (EST)
From: wb0wao@hotmail.com (Dennis Ponsness)
To: w6toy@erols.com
Cc: qrp-l@Lehigh.EDU (Low Power Amateur Radio Discussion)
Subject: [115095] Re: Ironies of 10 Meter Propagation
Message-ID: <10179-3C1DE0F1-895@storefull-268.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Your best bet for the "short range" Q's is to wait until there is a 6m

opening in your area. Then the MUF is high enough that you will be able to work "in" about 200 miles or so pretty easy. I have done that before with good results.

72

Dennis - WB0WAO

Date: Mon, 17 Dec 2001 07:37:25 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [115096] 10 meter results
Message-ID: <000001c186f7\$db0b9ce0\$0e714342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello !!

The band seemed in good condx !!! Used 700 mw to a Cushcraft Ringo

TOTALS:

170 "Q"S , 684 QSO PTS , 30 MULT

43,092 TOTAL

And 2 new milliwatt countries !!!

A61AJ
ZD8Z

Had a great time and thanks to all who came back to my tiny signal !!!!!

72s

George Osier , N2JNZ / QRPP

Date: Mon, 17 Dec 2001 04:37:27 -0800 (PST)
From: paul <ptay1253@yahoo.com>
To: qrp-l@lehigh.edu

Subject: [115097] FS Century 22 & PS
Message-ID: <20011217123727.80153.qmail@web14301.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

FS Ten Tec century 22 and matching PS. Good shape.
currently in use. Reply off list
paul wb2gin/qrp

Do You Yahoo!?
Check out Yahoo! Shopping and Yahoo! Auctions for all of
your unique holiday gifts! Buy at <http://shopping.yahoo.com>
or bid at <http://auctions.yahoo.com>

Date: Mon, 17 Dec 2001 09:45:01 -0330
From: "Dillabough, Graham CNOPB" <gdillabough@CNOPB.nf.ca>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [115098] OT- Help with Standard GX3000V VHF FM Radio
Message-ID: <2055849B2E3BD411BE1900104B2BC3E603ACCB@FORREST>
MIME-Version: 1.0
Content-Type: text/plain

Hi All,
Sorry for the bandwidth on a non QRP item, but I was wondering if anyone on
the list has (or has access
to) an eprom programmer for a Standard GX3000V vhf fm radio.

The local ham here in St. John's that had access to one just became a silent
key, and I would like to
re-arrange the frequencies, and add some alternates in my radio.

Please resond off list to either
ve6kj@rac.ca (home email)
vo1dza@rac.ca (work email)

Thanks! All the best of the season to everyone!

Graham, VE6KJ, V01DZA
Graham Dillabough
Senior Reservoir Geologist,
Canada Newfoundland Offshore Petroleum Board
140 Water Street
St. John's, NF
CANADA
A1C-6H6

ph: 709-778-1411

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Date: Mon, 17 Dec 2001 07:13:27 -0600
From: "David & Jo Ann Lininger" <djlinin@positech.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115099] Re: Making PCBs at home
Message-ID: <3C1D9B17.19023.66C8D6@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> It will also kill
> grass and shrubs, so throwing it in the backyard is out!

Hmmmm...Would this stuff kill wild thorny bushes? How much is necessary? These things just laugh at Roundup.

73

David, KBOZKE
kb0zke@arrl.net

EM37kt home, EM37jv school

Date: Mon, 17 Dec 2001 08:22:42 -0500
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jona1.net, qrp-1@lehigh.edu
Subject: [115100] QRP Afield Results
Message-ID: <3C1DF1A2.C9D3FD86@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here are the results from QRP Afield on 16-17 September. Participation seemed to be lower than previous years, but not unexpected in the light of the WTC tragedy on 11 September.

Congratulations to Bob, N4BP, and Bruce, W6E, for their excellent results. Almost 300 QS0s, Bruce -- I guess the contacts were there, just waiting to be made. And thanks to everyone who participated.

Please let me know if there are any mistakes in or omissions from the list.

72 DE K1CL,
Chuck

Call Name #QS0s Score

N4BP BOB 166 357
W6E BRUCE 291 291
W3IYQ(W2AGN) JOHN 50 125
N9NE TODD 80 105
N3EPA EPA QRP CLUB 45 90
W5TB DOC 48 73
W0UFO MERT 36 72
K4JSI CAL 23 71
K1CL CHUCK 24 61
KA3WMJ KEN 32 57
K2VD HOWARD 28 53
AK1P PAUL 46 46
AB8DF ED 17 42
W1FMR JIM 20 40
W1PID JIM 6 37
AA5TB STEVE 12 24

AD6GI	CHUCK	10	20
KE1L	MARK	9	18
K6III	JERRY	11	11
K1LGQ	DENNIS	10	10
K5QLF	FRED	1	1

W1QRP OP LOGS SUBMITTED:

K1LGQ	DENNIS	20
W2APF	THAIRE	17
K1CL	CHUCK	16

Date: Mon, 17 Dec 2001 08:24:31 -0500
 From: Kenneth Hoglund <hoglund@wfu.edu>
 To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
 Subject: [115101] Basement Shack Revisited
 Message-ID: <3C1DF20F.F808CB81@wfu.edu>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit

Gang--

Well the workmen come this week to begin the basement renovations. Got a shack penciled out in one corner (ok, "office" but there will be radios in there too). Some months back I asked the list about getting feedline to the basement, and the best (read easiest to do without major effort) solution looks to be running it down a vent pipe for the sanitary line---will take it right into the shack corner.

Now the question is: if I'm going thru all this effort, should I just use my RG-58U or go with something else to minimize loss? The total length will be just shy of 45 feet from attic to basement.

Please send me your favorite means/method off-list and I'll summarize and report back to the group. I figure I'm not the only one in such a predicament.

73 and thanks in advance-
 Ken KG4FGC

Date: Mon, 17 Dec 2001 08:28:11 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>
To: <hoglund@wfu.edu>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115102] Re: Basement Shack Revisited
Message-ID: <005701c186fe\$adf34120\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'd NEVER use RG-58 for ANYTHING other than real short runs.

I ALWAYS use at LEAST RG-8X or RG-8M. And then for VHF
and up I start using the better stuff like (I think, I'd have to look)
2213.

Mike

> Gang--
>
> Well the workmen come this week to begin the basement renovations. Got a
> shack penciled out in one corner (ok, "office" but there will be radios
> in there too). Some months back I asked the list about getting feedline
> to the basement, and the best (read easiest to do without major effort)
> solution looks to be running it down a vent pipe for the sanitary
> line---will take it right into the shack corner.
>
> Now the question is: if I'm going thru all this effort, should I just
> use my RG-58U or go with something else to minimize loss? The total
> length will be just shy of 45 feet from attic to basement.
>
> Please send me your favorite means/method off-list and I'll summarize
> and report back to the group. I figure I'm not the only one in such a
> predicament.
>
> 73 and thanks in advance-
> Ken KG4FGC

Date: Mon, 17 Dec 2001 06:29:41 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Bob Nielsen <nielsen@oz.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115103] Re: Making PCBs at home

Message-ID: <Pine.LNX.4.33.0112170627300.2028-1000000@Daisy>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This is why the Manhattan construction method was born. The scraps of pc board go into the dumpster with everything else. Also the used up superglue tubes.

On Sun, 16 Dec 2001, Bob Nielsen wrote:

> I suspect that flushing it down the toilet is probably no longer legal.
> I remember when my former employer got fined because someone discharged
> some deionized water (which is about as pure as it gets, short of
> distailling) into the sewer system. Most counties have a hazardous
> material disposal facility, which is probably the only viable choice.
>
> Bob, N7XY
>
> On Sun, Dec 16, 2001 at 08:50:02PM -0600, Rob Matherly wrote:
> > Good point Bruce! According to my electronics teacher and the bottle of
> > etchant I bought at radio shack a while back, the only safe way to dispose
> > of it is to flush it down the toilet.... That of course provided you don't
> > use a septic system :)
> >
> > I would think that flushing it would be as bad as pouring it down the
> > drain, but when you stop and think of the refining process that toilet
> > water goes through, I can see where it would be safe.
> >
> > 72/73/oo
> > Rob, kc0bom
> > ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP-I #19
> >
> > -----
> > Visit my website! <http://www.qsl.net/kc0bom/hamradio>
> >
> > AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net
> >
> > ----- Original Message -----
> > From: Bruce Muscolino <w6toy@erols.com>
> > To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> > Sent: Sunday, December 16, 2001 7:15 PM
> > Subject: Re: Making PCBs at home
> >
> >
> >
> >
> > Leon,

> >
> > Just an add on note, be careful of where you throw away your used
> > etchant. Many jurisdictions have laws against putting it in the
> > drains! Check first, it may save a nasty fine! It will also kill grass
> > and shrubs, so throwing it in the backyard is out!
> >
> > 73
> >
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Mon, 17 Dec 2001 08:44:18 -0500 (EST)
From: wb0wao@hotmail.com (Dennis Ponsness)
To: hoglund@wfu.edu
Cc: qrp-l@Lehigh.EDU (Low Power Amateur Radio Discussion)
Subject: [115104] Re: Basement Shack Revisited
Message-ID: <11894-3C1DF6B2-2294@storefull-263.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Ummm I hope you dont mean run it THRU the vent pipe! May make the shack
a "malodous" place (remember you have to bring the coax into the shack
thru it then!) :-)

72 es oo

Dennis - WB0WAO

Date: Mon, 17 Dec 2001 06:44:38 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115105] WAS, WY and Team RadioActive Hams
Message-ID: <005501c18700\$f93a6cb0\$6401a8c0@greyrock>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

GOT WY? If not here's an early heads up. WX permitting Team
RadioActive
Hams we be setting up in WY for QSOs during the next NJQRP HB Sprint.
I
believe the date is 24-Mar-2001.

Who is "Team RadioActive Hams"? A few QRPers in and around Northern
Colorado. An ultra casual group newly formed that share a common
interest in QRP radio. We're organized so casually we make NorCal look
like the British Parliament! ;-)

Anyway get those soldering iron's warmed up, there plenty of time to
craft a rig for the NJ event. And there are bonus points for those
using HB/kit gear in the sprint.

Happy Holidays
73, Rod NØRC
Ft Collins, CO

Date: Mon, 17 Dec 2001 08:47:16 -0500
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Dennis Ponsness <wb0wao@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115106] Re: Basement Shack Revisited
Message-ID: <3C1DF764.39CBBF56@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dennis--

In my haste left off an important qualifier--"down ALONG the vent pipe."
Heavens--think of the excitement one could generate with a spark gap
transmitter and a feedline coming THRU the vent pipe!

73
Ken KG4FGC

Dennis Ponsness wrote:

> Ummm I hope you dont mean run it THRU the vent pipe! May make the shack
> a "malodous" place (remember you have to bring the coax into the shack
> thru it then!) :-)
>
> 72 es oo
>
> Dennis - WB0WAO

Date: Mon, 17 Dec 2001 08:43:46 -0500
From: Pete Burbank <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115107] Re: Making PCBs at home
Message-ID: <5.0.2.1.0.20011217082557.00ab0720@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I was wondering if there was some sort of simple process to rejuvenate the etchant.
It seems like there must be. Any chemists on the list?
I think photo labs have ways to reclaim silver, in this case if you removed the copper
the ferric chloride would be back to full strength. Some sort of electrolytic process?
Pete NV4V

I At 08:15 PM 12/16/2001 -0500, Bruce Muscolino wrote:

>Leon,
>
>Just an add on note, be careful of where you throw away your used
>etchant. Many jurisdictions have laws against putting it in the
>drains! Check first, it may save a nasty fine! It will also kill grass
>and shrubs, so throwing it in the backyard is out!
>
>73

Date: Mon, 17 Dec 2001 08:55:31 -0500 (EST)
From: wb0wao@hotmail.com (Dennis Ponsness)

To: hoglund@wfu.edu
Cc: qrp-1@Lehigh.EDU (Low Power Amateur Radio Discussion)
Subject: [115108] Re: Basement Shack Revisited
Message-ID: <11894-3C1DF953-2299@storefull-263.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Hmmm.. Now I have an idea!....

I remember hearing a lot of fuss from the tree huggers about methane gas and how "bad" it is to be released into the atmosphere. We can petition the FCC to allow us to use spark gap only if we run the line THRU the vent pipe! A truly "environmental friendly" station. That would be kewl! But I wonder if our signals would be "crappy"???

72 es oo

Dennis - WB0WAO

Date: Mon, 17 Dec 2001 08:59:35 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [115109] Re: Basement Shack Revisited
Message-ID: <5.1.0.14.1.20011217085032.00a6c2a0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:47 AM 12/17/2001 -0500, you wrote

>In my haste left off and important qualifier--"down ALONG the vent pipe."
>Heavens--think of the excitement one could generate with a spark gap
>transmitter and a feedline coming THRU the vent pipe!

Gives new meaning to the old warning - FIRE IN THE HOLE!

Of course, I call that out whenever I power up a new project. I'm right often enough to keep trying.

As for the coax selection, 45 feet seems short enough that you could afford "the good stuff" if you don't expect to be replacing feedlines regularly. Somebody else on the list suggested RG-8M or 8X, or Belden 9913. I knew a lot of hams that swore by their 9913, and a lot that swore at their RG-58.

As long as you're pulling cable, why not pull both? Everybody knows you need to get as much wire in the air (or a reasonable substitute, like attic

space) as possible, and if you're inclined to experiment with antennas it's nice to have a second feedline for comparison. (Or for testing the primary feed in case you suspect it's shorted/open/got cooties.

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 17 Dec 2001 09:03:48 -0500
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: qrp-1@Lehigh.EDU, neqrp@jona1.ne
Subject: [115110] CANCEL NEQRP SSB NET
Message-ID: <0F7679B9C2.C7BFCE32-0N85256B25.004CD062@and.us.ray.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Due to really bad 40M conditions and extremely crowded 75M band, The NEQRP SSB NET will be cancelled until 40M becomes available again. I will send email notices when this occurs. Thanks to all who have checked into the net and look forward in the future to resume.

Ron - N1ZSW

Date: Mon, 17 Dec 2001 09:11:13 -0500 (EST)
From: wb0wao@hotmail.com (Dennis Ponsness)
To: wb0wao@hotmail.com
Cc: qrp-1@Lehigh.EDU (Low Power Amateur Radio Discussion)
Subject: [115111] Re: Basement Shack Revisited
Message-ID: <11894-3C1DFD01-2319@storefull-263.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

I have used 9913 in the past for VHF/UHF weak signal work, and IMHO it is "overkill" for HF. I would suggest RG-213 as an alternative as it

has better specs than RG-11.

Besides, 9913 has a solid center conductor and is air dielectric that is spaced with a spiral wrap of some sort of "plastic wire", so sharp bends are a no-no with 9913. It will shift the position of the center conductor and mess up the impedance a lot (been there, done that, got the t-shirt). And 9913 is a real pain to put connectors on (unless you go with N connectors and then it is just a bit less of a pain).

RG-213 is a bit more expensive than 9913, but well worth it!

72 es oo

Dennis - WB0WAO

Date: Mon, 17 Dec 2001 09:12:23 -0500
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115112] Testing Feedlines and Radiated Power
Message-ID: <3C1DFD47.D7E1544@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ok, several have noted RG-58U is not the best option. Which has led to some odd ruminations: is there an easy way to check how much power you may be losing with a specific feedline? (I'm worried about the present set-up now!)

I'm thinking put a power meter on both ends of the feedline and have a helpful family member key down? Wouldn't this provide at least a ballpark value?

73
Ken KG4FGC

Date: Mon, 17 Dec 2001 09:28:37 -0500
From: Pete Burbank <plburbank@kih.net>
To: qrp-1@lehigh.edu
Subject: [115113] Resistor stash
Message-ID: <5.0.2.1.0.20011217090931.00aab1f0@KIH.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang

I bought 2 resistor assortments from RSTechamerica and was really impressed with the quality. 2.2 ohms to 10 megs. 1% metal film.1/4 watt. About 30 bucks total.

They come in some really nice plastic drawer type boxes about HWD 1.5x12X7inches

that stack nicely together.

I enjoy homebrewing a lot except for spending hours finding garden variety parts.

This solves the resistor hunt. I checked a few and they were all inside 1%
Usual disclaimer

73 Pete NV4V

PS on-line....not in stores

pn is 90-6246 and 90-6247

Date: Mon, 17 Dec 2001 09:41:35 -0500

From: mike <mike@kd0ar.homeip.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [115114] Re: possible virus from ARRL

Message-ID: <3C1E041F.DBC216F@kd0ar.homeip.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Bruce Muscolino wrote:

> Rod,

>

> Folks are often too quick to place blame when they get something they
> don't want. The ARRL's email forwarding service is just that, a
> service. Each individual message is NOT read and then forwarded. It is
> done totally in software, what it gets in it sends out. If there is a
> fault it is in the originating computer. They may perform some virus
> checks but that os about it!

>

> Knowing the path probably will do you no good. You have to get to the
> originating computer. He probably knows he has been hit by now!

>

> 73

The message in question came from their mailing list, same place they send their "ARRL Letter" and DX News newsletters from, not from their forwarder. so, the ARRL was the originator.

Since I've been afflicted by numerous email viruses, I no longer use Windows for reading email. Too many security holes. I was able to safely open the included .bat file, it contained mumbo-jumbo- unreadable characters.

Mike

Date: Mon, 17 Dec 2001 09:42:19 -0500
From: "Kwik, Ed " <ed.kwik@delphiauto.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115115] RE: [QRP WAS Map 4 free]
Message-ID:
<9F176F70FD71AC48AFC36F879D2B84E32C3C26@tryexch01.NorthAmerica.DelphiAuto.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Had 2, yes 2, MD stations check into the MI QRP Net either last week or the week before. You snooze, you loose. The MI QRP net meets each Tuesday night at 9:00 PM Eastern time on 3.535 MHz.

Ed AB8DF Waterford, MI

-----Original Message-----
From: Rod N0RC [mailto:rod@n0rc.com]
Sent: Friday, December 14, 2001 6:46 PM
To: Low Power Amateur Radio Discussion
Subject: Re: [QRP WAS Map 4 free]

Folks,

I've heard from people who claim there is a Delaware and/or have communicated with Hams in Delaware! One person actually offered to go there [Delaware] and run QSOs.

Sending someone there to run QSOs would be a good thing, because so far the mythical state of Delaware is required for WAS and does show up on most (if not all) US maps. Also, if our envoy does go to Delaware they can verify it's existence. To be sure we'll need two people to go. The second can act as an official witness. They can also protect each other, if for some reason, Delaware is not a safe place to be!

If it turns out there is no Delaware then those of you claiming to work Delaware will have to forfeit your QSOs. And, we will have good cause to petition for WAS without Delaware QSOs. OTOH: If there is a Delaware, but no Delaware Hams, we'll each have to go there and run QSOs from time to time.

Frankly, I'm skeptical about this Delaware thing. I spoke about it a few times, and have never been contacted by anybody from Delaware!!!

;-)

Happy Holidays
73, Rod NØRC
Ft Collins, CO

----- Original Message -----
From: "Rod Cerkoney" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, December 14, 2001 12:46 PM
Subject: Re: [QRP WAS Map 4 free]

Nice Map! Thanks Paul.

One change I'd like to request--Remove Delaware. Empirical evidence suggests there are no Hams in Delaware. At least none that work CW. Or, possibly, there is no Delaware!

...

Date: Mon, 17 Dec 2001 09:49:10 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [115116] posted to QRP INT. Group ..Thoughts ????
Message-ID: <001501c18709\$fcd29880\$0e714342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

From: "bookworm_mom13669" <bookworm_mom13669@yahoo.com>
To: <QRPP-I@yahoogroups.com>
Subject: [QRPP-I] 10 meter test mw participation ??????? ...awards ?????

Date: Monday, December 17, 2001 9:09 AM

Hello All !!!!

I have a idea

How about all ops who worked with milliwatts post the scores they got in the 10 meter test ??????

I have spoken to Dan , N1ND about having a mw catagory but no reply as yet. I still have to contact Steve , N8BJQ from CQ Magazine to ask about the same but I'm not sure that will fly either

Sooooooooooooo in any case we can post all mw scores here and If possible start a mw award ourselves !!!!!!!!!!!

Anyone interested ??????????????

72s

George Osier , N2JNZ / QRPp

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Date: Mon, 17 Dec 2001 09:36:16 -0800
From: "Dave Benson" <nn1g@earthlink.net>
To: <rfgcdma@spinn.net>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115117] Re: [Elmer 101] Inductor Value
Message-ID: <000901c18721\$55a91760\$0355d03f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Karl-

It sounds like you're on the right track, and the addition of C7 should put the L0 where you want it.

The question is the QRP manifestation of the old expression: "A man with one watch knows what time it is; the man with two watches is never sure." For some of the general-purpose test equipment, readings taken at the minimum end of its range (a few pF or a couple uH) may be considered suspect. There are several factors which will influence toroid inductance, one of them the wire diameter and its minor contribution- discussed several days ago. Lead-spacing uniformity in the windings also plays a part for reasons of stray capacitance. There will also be lot-oriented variations in toroid permeability. If you then factor in the accuracy of the measuring equipment, especially at the low-inductance end of its range, the disparity you're seeing between stated and measured values sounds perfectly acceptable.

[If you're curious about resolving the "two-watch" issue, a good approach involves using the inductor and a well-known capacitance and finding the combination's resonant frequency. At its simplest, this is a job for a noise bridge <g>]

73- Dave

-----Original Message-----

From: rfcdma@spinn.net <rfcdma@spinn.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Sunday, December 16, 2001 20:03 PM
Subject: [Elmer 101] Inductor Value

My L1 came out to 3.1 microHenry's for the 30+
What tolerance should we expect. This is 9.1% off from the 3.4
specified?
<snip>

Date: Mon, 17 Dec 2001 10:25:27 EST
From: K5KW@aol.com
To: qrp-1@lehigh.edu
Subject: [115118] Basement Shack Revisited
Message-ID: <b9.189ac3c0.294f6867@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Reading the various postings about bringing coax into the (basement) shack evoked a question in my noggin about coax size versus power-handling capability. Can someone tell me how much RF power can be safely run thru RG-58 coax at HF frequencies? RF loss figures are readily available, but can't seem to find reference to power ratings in the ARRL Handbook or Antenna book.

I know, I know. It's sacrilege to even think about QRO operations. On the other hand, occasionally I fall off the wagon....

Don, K5KW
Recovering member of QRO Anonymous

Date: Mon, 17 Dec 2001 11:02:06 -0500 (EST)
From: n2go@arrl.net
To: qrp-1@Lehigh.EDU
Subject: [115119] WTB CW filter
Message-ID: <Pine.LNX.4.21.0112171100450.827-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I need one of the following cw filters

KVG type XF-9M or XF-9NB

73,

Jim n2go

Date: Mon, 17 Dec 2001 10:04:02 -0600
From: "George, W5YR" <w5yr@att.net>
To: hoglund@wfu.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115120] Re: Testing Feedlines and Radiated Power
Message-ID: <3C1E1772.79244D2F@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A good estimate of coax line loss . . . don't forget to put a dummy load after your power meter if it does not contain one.

The power reading out of the transmitter into the dummy load minus the power reading in the dummy load at the end of the coax is equal to the power lost in the coax ASSUMING THAT THE COAX IS TERMINATED IN ITS CHARACTERISTIC IMPEDANCE WHICH IS THE SAME AS THE DUMMY LOAD RESISTANCE.

What that measures is the matched or so-called "flat line" loss of the coax when it has an SWR of 1:1. If the actual load presents an SWR greater than that, then there will be additional loss in the coax. There are graphs in the Handbook and Antenna Book that will give you an idea of the added loss due to load mismatch.

There are several lines with lower loss than RG-58 that you might want to consider.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

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Kenneth Hoglund wrote:

>
> Ok, several have noted RG-58U is not the best option. Which has led to
> some odd ruminations: is there an easy way to check how much power you
> may be losing with a specific feedline? (I'm worried about the present
> set-up now!)

>
> I'm thinking put a power meter on both ends of the feedline and have a
> helpful family member key down? Wouldn't this provide at least a

> ballpark value?

Date: Mon, 17 Dec 2001 10:47:37 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115121] RE: Basement Shack Revisited
Message-ID: <01C186E8.3EA4B1C0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Someone said---with only 50 feet, it's gonna be cheap so get the good stuff. I guess that makes sense.

I was gonna say---with only 50 feet, losses are gonna be low, so use the RG58. I hope that makes sense.

Losses--The ARRL Antenna Handbook shows RG58 loss being about 0.6 dB at 80 meters and 1.8 dB at 10 meters, per 100 feet. Pretty well negligible with a 50 foot feeder. You wouldn't realize a full dB gain by using the expensive stuff, even on 10 meters.

If you are going to work VHF/UHF with this feeder, or you think some day you may get frustrated with QRP and get a big amp, better put in the big stuff.

Power handling of RG-58? The ant handbook gives RMS voltage ratings. For various types of RG58, they range from 300 to 1900 volts with 1400 volts for PE dielectric being typical. I thought I'd use that to figure maximum power, but it leads to an outrageous answer, where it's obvious that conductor heating will be limiting first. Seems like I've always heard that maybe 300 to 500 watts is the max. If you figure you'll let that little center conductor carry 3 amps, then $3^2 \times 50$ gives 450 watts. For matched line use of course. I've heard of guys putting 1 kW plus through RG58, but I've also heard of pyrotechnic displays at the top of the tower.

Also RG58 is more flexible and will fit through a smaller hole.

72--Nick, WA5BDU

Date: Mon, 17 Dec 2001 11:49:12 -0800

From: "Dave Benson" <nn1g@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [115122] Re: Testing Feedlines and Radiated Power
Message-ID: <005301c18733\$e770dd60\$bde8d73f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ken-

Yep- the approach you mention should work fine.

A slightly more involved method uses a noise bridge <g>. A quarter-wavelength (or odd multiple) transmission line which is left open at the far end should *ideally* look like a dead short at the line input. This will prove not to be the case, though- it'll have a purely resistive component looking into the line at the quarter-wavelength cases. This resistance value is traceable to line losses.

Hopefully we'll receive additional input on the subject and post it to the NE Club website as application info for the Noise Bridge project. :-)

73- Dave, K1SWL

-----Original Message-----

From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Monday, December 17, 2001 6:12 AM
Subject: Testing Feedlines and Radiated Power

Ok, several have noted RG-58U is not the best option. Which has led to some odd ruminations: is there an easy way to check how much power you may be losing with a specific feedline? (I'm worried about the present set-up now!)

I'm thinking put a power meter on both ends of the feedline and have a helpful family member key down? Wouldn't this provide at least a ballpark value?

73

Ken KG4FGC<<

Date: Mon, 17 Dec 2001 12:24:08 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: plburbank@kih.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115123] Re: Making PCBs at home
Message-ID: <3C1E2A38.BF61EAA3@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Pete,

Well photography labs do use a system to reclaim silver from developer. It often involves a canister that contains a steel wool type of substance. The used developer is passed through this and then sent back to the processing machine. Normally it is only used in high volume systems. The result is a silver ingot returned to the lab owner. The lab that I managed used this system, but we did over one thousand rolls of 35 mm film each week. It is not economical for home use!

I am sue you could find something that would precipitate out the used copper. Whether any of the chemicals in the etchant are also used up by the process is something you'd have to ask a chemist!

73

Date: Mon, 17 Dec 2001 10:38:15 -0700
From: "T.W." <wb5qyt@abq.com>
To: <qrp-l@lehigh.edu>
Subject: [115124] ATTN: ALEX....RE: WIRE
Message-ID: <MABBIKAEJNPMOAJMBKJJMEEBICIAA.wb5qyt@abq.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Alex, I deleted your email before I was able to get your address....sorry,

fingers too fast this am HI HI...Please email me again...

72, Tom WB5QYT...."Have spud will travel!"

Date: Mon, 17 Dec 2001 12:39:28 EST
From: N2PTW@cs.com
To: qrp-l@lehigh.edu
Subject: [115125] RE K2 etc more all SOLD
Message-ID: <cb.1a645346.294f87d0@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Thank You all so much for your support . All of the items listed have been sold. I will post the next list in a day or two we need to thin things out around here.

Happy Holidays Joyce N2PTW

Date: Mon, 17 Dec 2001 17:50:22
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: jfurman@ocs.net
Cc: leon_heller@hotmail.com, MertNellis@aol.com,
WD8CIV@worldnet.att.net, qrp-l@lehigh.edu
Subject: [115126] Re: [SPICE] Tapped Air Inductors
Message-ID: <F7Aw1CkMdziverQng3f00006daf@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Jeff et al.,

I frequently use Wheeler's approximation and find it pretty reliable. That is the formula that I used to estimate my coil inductances. Also, your derivation of the expression for M seems correct. I plugged in my numbers and got an M value that produced a K that was the same as what made SPICE "happy" in trying to make the two inductors resonate against 100pF like the whole inductor alone. So at least we know that SPICE is consistent on that principle.

But I still don't get good simulation data for my tapped bandspread tuning arrangement using these inductance values. The simulations suggest that I should be getting a tuning range about 2 MHz wide while, in fact, I see only about 650 kHz tuning range.

When I assume that $K=1$ and assign the inductances as equal to the overall inductance from Wheeler's formula times the fraction of turns squared, I get good simulation results although we know that $K=1$ is not realistic for air coils.

Could it be that with a resonant tank (where the entire coil AND the tap point are parts of the entire resonant circuit) it is an unrealistic assumption to view the two inductors as being separate as far as the magnetic field is concerned? If this is true then the $K=1$ assumption is not necessarily invalid, no?

It seems to me that we really don't have a situation here where one coil is transferring energy to the other (such as in a transformer). I would imagine that the magnetic field builds and collapses across the entire inductor with each cycle of resonance.

I know that I have no confidence in the approach that models each section as a "Wheeler formula inductor". I just wish that I could get some authoritative confirmation that my approach is valid (other than the one single experimental result that I have performed).

Brad

>From: Jeff Furman <jfurman@ocs.net>

>>Gentlemen:

>I spent some idle time this weekend fiddling with this problem.

>I used two accepted facts: $L_t = L_1 + L_2 + 2 \cdot M$ and Wheeler's

>approximation formula for not too short inductors:

> $L = (r \cdot n)^2 / ((9 \cdot r) + (10 \cdot l))$

> from Wheeler, "Simple inductance formulas for radio coils"

> Proceedings of the IRE, Vol. 16, Oct. 1928, p. 1398.

> For Wheeler's formula (supposed to be accurate to better than 1%),

> L is in μH

> r is the coil radius in inches

> l is the (uniform) winding length in inches ($l > 0.8 \cdot r$)

> n is the number of turns

>

>I used L_1 , of n_1 turns, as the first part of the whole coil and

> L_2 , of n_2 turns, as the second part of the coil.

>Then the whole coil has inductance L_t from $(n_1 + n_2)$ turns.

>

>of course, each of these inductances is evaluated (symbolically) by

>Wheeler's formula.

>

>what I got is:
>
>
$$M = (9 \cdot L_1 \cdot L_2) \cdot ((n_1^2/L_1) + (n_2^2/L_2)) / (2 \cdot r \cdot n_1 \cdot n_2 \cdot ((n_1 + n_2)^2))$$

>
>considering the amount of algebra I used to get this, please be advised
>there is a non zero possibility of some minor or major error in this
>result, so, YMMV. It does have a pleasing and expected symmetry of the two
>coils, but that's a very weak check. Someone using Mathematica might
>check this.
>
>This relies on the validity of Wheeler's formula. Since that is a fit to
>empirical data, this is not an absolute relation, but an approximation.
>
>73, Jeff AD6MX
>
>

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<http://photos.msn.com/support/worldwide.aspx>

Date: Mon, 17 Dec 2001 13:15:17 -0500
From: Tim O'Rourke <TO'Rourke@KaiserFT.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [115127] DXpedition 2 Delaware
Message-ID: <0514B74864ACD511934400508BBB5E3401E1B8@EMAIL1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Taking up a collection for mythical trip to Delaware, if we can locate it.
Tim KG4CHX

Date: 17 Dec 2001 13:10:02 EST
From: Edwin Lappi <ae4ec@usa.net>
To: qrp-1@Lehigh.EDU
Subject: [115128] FS
Message-ID: <20011217181002.4441.qmail@umdv008.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

Gents:

I have for sale one Radio Shack HTX-100 10 meter transceiver including manual and one 10 meter Hamstick antenna. Would like to get \$80.00 for the lot. This includes shipping anywhere in Continental U.S. Please reply direct if interested. Thanks in advance
73
Ed, AE4EC

Get free e-mail and a permanent address at <http://www.amexmail.com/?A=3D1=>

Date: Mon, 17 Dec 2001 10:41:54 -0700
From: "Steve/n0tu" <n0tu@qsl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115129] Re: HB weekend RESULTS
Message-ID: <000201c18722\$52c89740\$b0561d82@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Some folks asked what the bottom the board looks like - it's not pretty!
<http://www.qsl.net/n0tu/images/40msstB.JPG>

This perfboard has plated-thru holes and a ground "screen" between the holes. Very convenient for grounding parts. I found some scraps of this cool stuff at my work (sorry, I do not know where else to scrounge this item currently). The R&D folks here use it for prototype designs etc.

It seems to work ok at HF but not sure I would trust it above 15MHz. After working on it all this weekend I feel like a brain surgeon. QRP is an art form right? Making a PCB might have been easier but I was ready to melt solder and didn't want to mess w/chemicals. =8-D

~ Steve/n0tu ~

----- Original Message -----

From: "Steve/n0tu" <n0tu@qsl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, December 16, 2001 9:50 PM
Subject: HB weekend RESULTS

> Been collecting parts the last 6 months for another HB SST. AND I got a
> new(used) solder iron from Rod/N0RC a few weeks back. So, I had to put it
to
> melting solder this weekend. I tried to pack this 2nd version of a HB sst
> into a smaller foot print than my first one. I left the VXO outboard!
Gives
> me more options on packaging. <http://www.qsl.net/n0tu/images/HB40msst.JPG>
>
> At first I had the wrong xtal in the RX mixer 11MHz (IF is 4MHz)and all I
> could hear was a loud carrier? HUH?... the VXO runs at 11 MHz the IF is
> supposed be 4 MHz!DUH! But it works now!!! (with the right 4MHz xtal)
> Woohoo! Does it!? 40m was awesome tonite! Worked an old ham buddy K0ZK in
ME
> on this lil rig @ 500mW! The TX still needs a little tweaking. Should see
~
> 2W I hope! Kinda looks like a plan ahead sign ...I started with plenty of
> room and ran out when I got to the TX(left). The Jumbo LED on right is the
> s-meter/AGC. Almost blinds you in a dark room.
> <http://www.qsl.net/n0tu/images/HB40msst1.JPG>
>
> Learning alot about drivers PAs etc. W1FB's QRP Handbook is my bible right
> now. FUN stuff! ~ Steve/n0tu ~
>
>

Date: Mon, 17 Dec 2001 13:23:02 -0500
From: "Tim A. King Jr." <iflyos@hotmail.com>
To: TORourke@KaiserFT.com, qrp-1@Lehigh.EDU
Subject: [115130] Re: DXpedition 2 Delaware
Message-ID: <F92IgZr8QopoXFiiCu60000582c@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I will help out by asking Yaseu and Kenwood for rigs....Of course, since
this will be a special chance to activate a rare location, we will need to
test the radios to insure they will fit our needs. I think a year for
testing should be sufficient...

A TS-2000 and a FT1000MP for each operating position should be ok, don't you
think?

TK

-----Original Message Follows-----

From: Tim ORourke <TORourke@KaiserFT.com>
Reply-To: TORourke@KaiserFT.com
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: DXpedition 2 Delaware
Date: Mon, 17 Dec 2001 13:15:17 -0500

Taking up a collection for mythical trip to Delaware, if we can locate it.
Tim KG4CHX

Tim A. King, Jr.
KG4MQD
Vice President, Forsyth Amateur Radio Club
Winston Salem, NC
AMA# 578668
QRPp International #11
Greater Piedmont QRP Club
<http://kg4mqd.tripod.com>

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Mon, 17 Dec 2001 18:37:13 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: plburbank@kih.net, qrp-1@Lehigh.EDU
Subject: [115131] Re: Making PCBs at home
Message-ID: <F194HeHmI5k0Q69EYyL00006b2c@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: Pete Burbank <plburbank@kih.net>
>Reply-To: plburbank@kih.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Re: Making PCBs at home
>Date: Mon, 17 Dec 2001 08:43:46 -0500
>

>I was wondering if there was some sort of simple process to rejuvenate the
>etchant.

>It seems like there must be. Any chemists on the list?
>I think photo labs have ways to reclaim silver, in this case if you removed
>the copper
>the ferric chloride would be back to full strength. Some sort
>of electrolytic process?
>Pete NV4V

I'm not a chemist, but it used to be one of my best subjects at school. It was over 40 years ago, though.

Adding a little HCl should give it some more life. I think there might be a problem with electrolysis, the iron might get deposited rather than the copper. 8-)

Cupric chloride solution makes quite a good etchant. As it gets used it turns to cuprous chloride, which can be turned back into the cupric salt by bubbling air through it. With bubble etching this gets done automatically, of course. Adding H₂O₂ should do just as well. If the proportion of free chloride ions is kept up by adding HCl, you end up with *more* etchant as time goes on! Ideally, it needs regular chemical analysis to make sure the mixture is correct.

There's a very comprehensive (and large) book on all this stuff. I think it's by Bishop. It's quite expensive, but any decent library should have it. The public library where I used to live had a copy.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

MSN Photos is the easiest way to share and print your photos:
<http://photos.msn.com/support/worldwide.aspx>

Date: Mon, 17 Dec 2001 14:04:49 -0500
From: brickle <brickle@pobox.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: rwmcgwier@home.com
Subject: [115132] Delaware 29 December was: Re: DXpedition 2 Delaware
Message-ID: <3C1E41D1.247F8BFF@pobox.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

Content-transfer-encoding: 7BIT

> Taking up a collection for mythical trip to Delaware, if we can locate it.

At last sighting it was due south from here in NJ. But that was some time ago, and on a direct line to the Bermuda Triangle.

Therefore, with as much certainty as the current world will allow, we announce a plan:

On Saturday 29 December, N4HY and AB2KT will be attempt the border crossing into Delaware with radios and antennas. Exact site TBD. Current plan is to be up and running by 1200 EST and to operate through approx. 2200 EST.

We will have two FT-817s and an assortment of antennas, incl a W3FF Buddipole, 100-foot wire, a 200-foot loop, a 1/2-size G5RV, and a souped-up MP-1, to be employed depending on the site. For spotting and as a hedge against rotten propagation we will have a backup QRO rig (50w) but with power only for brief periods of operation.

At present we plan to run two bands concurrently, CW only. Freqs depending on condx but leaning on 20 and 40. SSB and other freqs as interest indicates. If all goes well we may take a spin on 6m.

73, and may fate guide our footsteps and have mercy on our souls as we lurch into the unknown.

Frank, AB2KT
Bob, N4HY

Date: Mon, 17 Dec 2001 12:06:48 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [115133] Inadvertent message via ARRL Letter list (fwd)
Message-ID: <Pine.LNX.4.33.0112171205500.1570-100000@Daisy>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I got this from the ARRL guy who handles the list and it explains what happened.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

----- Forwarded message -----

Date: Mon, 17 Dec 2001 09:48:32 -0500

From: ARRL Letter Mailing List <letter-dlvy@arrl.org>

To: k5di@zianet.com

Subject: Inadvertent message via ARRL Letter list

On Saturday, Dec 15, an email message sent to an ARRL mail server was inadvertently relayed to the ARRL Letter mailing list and thus to the subscribers of the email ARRL Letter. This message carried a virus-laden attachment, but most mailers should have displayed the message as gibberish rather than as an attachment.

If you received a message with the subject "Bruce Richardson" and containing many lines of apparent gibberish, just delete it. It is highly unlikely that it did any damage to your computer system. Of course, it's a good idea to use one of the several commercial virus-protection programs to scan your system for viruses--just to be sure.

ARRL regrets that this message was relayed and is taking steps to prevent any recurrence of the problem.

--

Jon Bloom, KE3Z

jbloom@arrl.org

Web/Software Development Manager

Date: Mon, 17 Dec 2001 14:28:28 -0500

From: David Hinerman <WD8CIV@worldnet.att.net>

To: qrp-l@lehigh.edu

Subject: [115134] Re: Delaware 29 December was: Re: DXpedition 2 Delaware

Message-ID: <5.1.0.14.1.20011217142313.00a60130@ipostoffice.worldnet.att.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

If I could remember the prayer that was said for the explorers boarding the spaceship in "Close Encounters of the Third Kind" I'd say it for you, but since I can't, you'll have to make do with some words of wisdom:

- 1) Obey the speed limit.
- 2) Don't drink the water.
- 3) You're representing the United States and, specifically, ham radio

operators. Try to make a good impression.

4) "Bordello" is not Delawarese for "bus station."

Enjoy your trip, and be sure to make you your wills before you go.

Dave

At 02:04 PM 12/17/2001 -0500, you wrote:

>
> > Taking up a collection for mythical trip to Delaware, if we can locate it.
>
>At last sighting it was due south from here in NJ. But that was
>some time ago, and on a direct line to the Bermuda Triangle.
>
>Therefore, with as much certainty as the current world will allow,
>we announce a plan:
>
>On Saturday 29 December, N4HY and AB2KT will be attempt the border
>crossing into Delaware with radios and antennas. Exact site TBD.
>Current plan is to be up and running by 1200 EST and to operate
>through approx. 2200 EST.
>
>We will have two FT-817s and an assortment of antennas, incl
>a W3FF Buddipole, 100-foot wire, a 200-foot loop, a 1/2-size G5RV,
>and a souped-up MP-1, to be employed depending on the site. For
>spotting and as a hedge against rotten propagation we will have a
>backup QRO rig (50w) but with power only for brief periods of
>operation.
>
>At present we plan to run two bands concurrently, CW only. Freqs
>depending on condx but leaning on 20 and 40. SSB and other freqs
>as interest indicates. If all goes well we may take a spin on 6m.
>
>73, and may fate guide our footsteps and have mercy on our souls
>as we lurch into the unknown.
>
>Frank, AB2KT
>Bob, N4HY

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 17 Dec 2001 11:37:45 -0800
From: "Phinizy, William" <wphinizy@filenet.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [115135] Enclosures
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F087412EC@hq-expo2.filenet.com>

Anybody have the URL or a recommendation where we can get "bud" boxes or other suitable enclosures for our projects?

Thanks,

Bill, K6WHP

Date: Mon, 17 Dec 2001 14:40:08 -0500
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115136] RE:Delaware 29 December
Message-ID: <3C1E4A18.240145E@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I checked the ARRL website and there were no provisions for reciprocal licensing with Delaware; are you guys sure Delaware is a member of the ITU? You may want to insure you have bail monies with you if you're caught (grin).

73
Ken KG4FGC

Date: Mon, 17 Dec 2001 11:35:14 -0800
From: "blinn" <blinn@smgazette.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115137] Re: [Elmer 101] Inductor Value
Message-ID: <009e01c18731\$f4df32a0\$7169f040@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm building the 20 meter version. Mine is throbbing at anywhere between 5, 076,920 and 5,287,099 - depending on where and how I couple the frequency

counter(s). (The man with two watches, huh Dave?)

RF voltage measures 2.5 volts so the Stinger Singer won't read directly clipped to the circuit. However, connecting the leads from the Singer together and laying part of this loop in the space close the emitter of the 4401 transistor and the two resistors to the right, it sings out at the rate of 5,287,099 and varied over ten minutes (42 readings) by 65 cycles, going down in freq. The lower reading (5, 076,920) was with an old Heathkit counter coupled directly to the base of Q2. (BTW... These two frequency counters are calibrated to within 5 cycles of each other. And, since I calibrated them, they are only relative to each other?)

My Kenwood TS 570s receiver finds the signal (without anything coupled) at 5,209,500 Zero beat on LSB (plus or minus a few cycles). So, it looks like the effect of coupling is adding 75K, or so? Question: I'm sure there are others using the Stinger Singer frequency counter to measure this VFO, how are you coupling it?

The inductor (L1) measured 1.25 microHenries using a B&K LCR meter (BK 875A). A bit low, maybe I should suspect the B&K's accuracy? (Claimed, +/- 5% on the 200uH scale.)

By the way, 23 turns of the wire provided just fits on the T-37 core.

Bill - WA7TQK

--

Date: Mon, 17 Dec 2001 11:42:24 -0800
From: "blinn" <blinn@smgazette.com>
To: <wphinizy@filenet.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115138] Re: Enclosures
Message-ID: <00a701c18732\$f4967460\$7169f040@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<http://www.execpc.com/industrialelectronics/bud/products/miniboxes.html>

-----Original Message-----

From: Phinizy, William <wphinizy@filenet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Date: Monday, December 17, 2001 10:37 AM
Subject: Enclosures

>Anybody have the URL or a recommendation where we can get "bud" boxes or
>other suitable enclosures for our projects?

>

>Thanks,

>

>Bill, K6WHP

>

>

--

Date: Mon, 17 Dec 2001 14:58:15 EST
From: K5KW@aol.com
To: qrp-1@lehigh.edu
Subject: [115139] RG-58 Power Handling Limit
Message-ID: <17c.e73343.294fa857@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Thanks to all who responded to my question about how much RF power output
RG-58 coax could safely handle at HF frequencies.

The consensus seems to be no more than 300 watts. Ed, N5EM, did a little
surfing (why didn't I think of that?) and came up with references at:

http://www.logicio.com/cgroen/cable_specs.htm

Guess I should, uh, er, lower the drive to my 30-L1 for those *rare*
occasions when I fall off the wagon and run QRO.

72,

Don, K5KW
Recovering member of QRO Anonymous

Date: Mon, 17 Dec 2001 14:00:18 -0600
From: "Rene Correa" <correalaw@earthlink.net>

To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [115140] Enclosures
Message-ID: <000a01c18735\$74b1a460\$ec9efea9@rene>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

While traveling over the weekend, I came across an outfit in Houston that appears to stock a lot of chassis and enclosures. It is Electronic Parts Outlet. www.epo-houston.com.

73.

Rene, K5JX

Date: Mon, 17 Dec 2001 15:06:21 -0500
From: "W3CDE Jerry L." <w3cde@bellsouth.net>
To: hوجلund@wfu.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115141] Re: Delaware 29 December
Message-ID: <3C1E503D.87DD716F@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OH!.... You must have driven through Delaware 8-)... With all of the speed enforcement officers they have, they need all those speeding tickets! to pay the labor costs. They sure are busy.

Merry Christmas to all

de W3CDE & Family
Jerry L.

Kenneth Hوجلund wrote:

>
> I checked the ARRL website and there were no provisions for reciprocal
> licensing with Delaware; are you guys sure Delaware is a member of the
> ITU? You may want to insure you have bail monies with you if you're
> caught (grin).
>
> 73
> Ken KG4FGC

Date: Mon, 17 Dec 2001 15:24:37 -0500
From: brickle <brickle@pobox.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: rwmcgwier@home.com
Subject: [115142] Re: Delaware 29 December was: Re: DXpedition 2 Delaware
Message-ID: <3C1E5485.A8079B6@pobox.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Dave --

We are grateful for your kind thoughts and wise words.
Just to set everybody's minds at ease:

> 1) Obey the speed limit.

He's driving.

> 2) Don't drink the water.

This may not be a problem. According to old books, there is
a strong native tradition of brewing crude but potent beers.
We shall see.

> 3) You're representing the United States and, specifically, ham radio
> operators. Try to make a good impression.

Maybe if you were a little better acquainted with the individuals
involved, Bob especially, you would understand the enormity of what
you're asking here. We'll do our best with what we've got.

> 4) "Bordello" is not Delawarese for "bus station."

You can believe, this is not a mistake we're likely to make
three times!

> Enjoy your trip, and be sure to make you your wills before you go.

Thank you. We discussed setting up a fund for our widows and
children, but then realized, hey, we're gone, it's their problem.

Again, thanks for your wisdom.

73

Frank, AB2KT

Bob, N4HY

Date: Mon, 17 Dec 2001 15:40:36 -0500
From: W2AGN <w2agn@pobox.com>
To: brickle <brickle@pobox.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115143] Re: Delaware 29 December was: Re: DXpedition 2 Delaware
Message-ID: <0112171540360B.02395@njbirdman>
Content-Type: text/plain;
 charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Monday 17 December 2001 14:04, brickle wrote:

>
> On Saturday 29 December, N4HY and AB2KT will be attempt the border
> crossing into Delaware with radios and antennas. Exact site TBD.
> Current plan is to be up and running by 1200 EST and to operate
> through approx. 2200 EST.

--

Look into Brandywine Creek State park. The main parking lot is adjacent to trees for antennas, and it seemed a good location when I was there for QRP Afield.

I'll look for you, as I will also be on from Marcus Hook Range light in DE.

John L Sielke W2AGN
 w2agn@pobox.com
http://www.qsl.net/w2agn

Date: Mon, 17 Dec 2001 15:36:53 -0500
From: Pete Burbank <plburbank@kih.net>
To: Bruce Muscolino <w6toy@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115144] Re: Making PCBs at home
Message-ID: <5.0.2.1.0.20011217150003.00ace6d0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:24 PM 12/17/2001 -0500, Bruce Muscolino wrote:

>Pete,

>

>Well photography labs do use a system to reclaim silver from developer.
>It often involves a canister that contains a steel wool type of
>substance. The used developer is passed through this and then sent back
>to the processing machine.

SNIP

Thanks Bruce,

I find this thread pretty interesting (If a person is not curious that is
a problem):-)

I think most chemical reactions are reversible except for things that explode,
(like A-bombs).A few years ago I did some "electro-forming" on mica sheets
just for fun and it worked quite well using copper sulphate as the electrolyte.
I guess that a factor would involve the amount of energy released such as
heat in the original reaction.

Gotta try the weed killer idea however as some English Ivy is trying to take
over the entire neighborhood here and nothing slows it down short of a
chain saw

I wonder how a large PCB producer deals with the chemicals????

73 Pete NV4V.

Date: Mon, 17 Dec 2001 20:48:55 +0000

From: euramcom pages <mel@euramcom.freeseerve.co.uk>

To: <qrp-1@lehigh.edu>

Subject: [115145] Delaware?

Message-ID: <E16G4hG-000073-00.2001-12-17-20-49-14@cmailg2.svr.pol.co.uk>

Mime-Version: 1.0

Content-Type: text/plain; charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

Didn't Perry Como tell us what it was she wore?

ISTR it was a brand NEW JERSEY

SINGALONGA MEL for Christmas

<http://www.ukcaravans.org.uk/xmas>

72 and 73 de Mel

GM6JAG

Date: Mon, 17 Dec 2001 16:02:43 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [115146] Re: Making PCBs at home
Message-ID: <5.1.0.14.1.20011217155946.00a73600@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 03:36 PM 12/17/2001 -0500, you wrote:
>Gotta try the weed killer idea however as some English Ivy is trying to take
>over the entire neighborhood here and nothing slows it down short of a
>chain saw

Keep in mind that the chemical may linger in the soil for a long time. It's
up to you whether you want an ivy patch or a brownfield.

Have you considered napalm?

>I wonder how a large PCB producer deals with the chemicals????

Well, there was this one in Ohio that used to dump it in the creek out
back, but they got caught...

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 17 Dec 2001 21:24:10 +0000
From: Larry Cahoon <lejek@erols.com>
To: qrp-1@lehigh.edu
Subject: [115147] Photo of our own W1RFI
Message-ID: <5.1.0.14.0.20011217212150.02378d40@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

While browsing the ARRL site today I ran across a picture of Ed, W1RFI, so
for those how have not see Mr RFI in person take a look at
<http://www.arrl.org/news/rfi/2001/1214.html?nc=1>

The link is acutally off the main page and refers to something on RFI.

73 de Larry.....WD3P in MD
<http://www.qsl.net/wd3p/>

Date: Mon, 17 Dec 2001 22:05:50 +0000 (GMT)
From: Bob Okas <vintage@vintage.best.vwh.net>
To: qrp-l@lehigh.edu
Subject: [115148] OT: Opinions on Earthlink?
Message-ID: <Pine.BSF.4.40.0112172149170.52376-1000000@vintage.best.vwh.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Gang,

All good things must come to an end. Sadly, my good ol' reliable ISP has been swallowed up by Verio, and the new parent is unceremoniously dropping dial-up access in early January. They plan to transfer us dialer-uppers to Earthlink but keeping us on for web hosting. Since I don't need two ISPs, it looks like my business will go to Earthlink, barring any horror stories.

I'm a bit of a Luddite when it comes to email, newsgroups and file management. I need a shell account since I prefer pine for email (never had a virus problem and the mail stays on the server for easy roaming) and tin for reading newsgroups. I use conventional Unix commands to manage my server files. Do these capabilities exist on Earthlink or is there some GUI that is going to get in my way? I've checked their webpage and they seem to be pushing their software. The sales person I spoke with didn't give me an unequivocal "Yes" in response to my questions.

Thoughts, opinions and experiences are most welcome!

73,
Bob - W3CD

Date: Mon, 17 Dec 2001 17:12:08 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <vintage@vintage.best.vwh.net>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115149] Re: Opinions on Earthlink?
Message-ID: <004f01c18747\$dffcd0c0\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I used to have EarthLink. As an internet service provider I found them to be excellent.

But, notice that I'm no longer with them, I'm with Charter.

That's because the local access provider for EarthLink (provided under the EarthLink name as if they were the provider) was the pits. ABSOLUTE PITS. It was a company called Level III or something wierd like that.

But to access my EarthLink stuff from my work on a hardwired connection was great. It just was IMPOSSIBLE from home, and that's where I paid for it.

Bad doesn't even BEGIN to describe it.

I called and complained and complained and complained. And they told me it was my modem. (Went through 3 of them) They told me it was my phone service. (I had repair out here till they threatened to bill me.) Until I realized it was everyone in this town that had the problem.

Why do you think this whole neighborhood went en masse to Charter and you had to schedule to get in line to get hooked up to the cable modem? Charter made a killing in this town.

Charter now is very minimal. And the email and news services are having growing pains, as they were 'taken over' from a company called HSA. HSA is as bad at their service as Level III was for EarthLink.

But Charter is INCREDIBLY reliable when it comes to access. Really, INCREDIBLY reliable. And prompt when things DO go down. In the time for the changeover that I had the cable modem from Charter and still had my EarthLink account till it shut off it was incredible.

To be fair, a LOT of it really was the phone lines. But they wouldn't expand service to work around the issues, and they would stonewall you when you called. It was always YOUR problem, and they were doing you a favor by even answering the phone. Oh, not always. If you had problems OTHER than access, it seemed you would go to a different group when you called, and they were polite and helpfull. But that was

not even 5% of the problems.

ANY service you are thinking of getting, find out the customer service numbers and CALL THEM NOW just to see how long it takes before you get someone on the phone! It can make a BIG difference in how you feel later on!

Mike

Date: Mon, 17 Dec 2001 17:39:23 -0500 (EST)
From: <igeq100@iupui.edu>
To: Bob Okas <vintage@vintage.best.vwh.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115150] Re: OT: Opinions on Earthlink?
Message-ID: <Pine.GS0.3.96.1011217173640.3976B-1000000@jade.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Bob -

I am a recent earthlink subscriber (also have a .edu account, but try to keep my hobby somewhat separate). I am afraid that the Earthlink software is not as isolated as Pine, but you can keep your email on their server, and they have a rather generous space allocation for that (although they do remind you from time to time). They seem to be OK people to deal with.

Hope this helps,

Rich, WB9LPU

Date: Mon, 17 Dec 2001 17:35:51 -0500
From: "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
To: qrp-l@Lehigh.EDU
Subject: [115151] KE6RIE Straight Key Experience?
Message-ID: <0F0914708A.567FA555-0N85256B25.007B9D13@pmi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Fellow CW enthusiasts...

Any comments or experience with the KE6RIE straight key? How does it feel? Suitable for portable use?

73,
Steve
aa8af

Date: Mon, 17 Dec 2001 17:40:51 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <vintage@vintage.best.vwh.net>
Subject: [115152] Re: Opinions on Earthlink?
Message-ID: <060b01c1874b\$e2c14b20\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bob

I think you are going to find a shell account hard to come by. Shell accounts are provided by a few ISPs who cater mostly to hackers, and sometimes you can get a shell account without a regular ISP account quite cheaply. It's not so much of a gui getting in the way as it is not providing a place to run pine and tin.

One alternative is to get an old PC and load Linux on it, then you can use Pine, but you will need to set up sendmail, which can be a real pain. With a local ethernet (simple to set up and surprisingly cheap these days) you can telnet to your Linux box just like you telnetted (presumably) to your old ISP. You can also run tin on the Linux box (most of the Linux distributions already come with both). In fact, it would be somewhat nicer since the Linux box could dial in from time to time to load mail and news and you could run pine and tin without being logged on.

A little more culture shock is to use web mail from someone like Bigfoot or mail.com. Wouldn't be surprised if Earthlink provides it in fact. You don't get all the nice pine features, but you do get the relative freedom from viruses and the mail stays on their drive instead of yours. No help for usenet, tho.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Bob Okas" <vintage@vintage.best.vwh.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, December 17, 2001 5:05 PM
Subject: OT: Opinions on Earthlink?

> I'm a bit of a Luddite when it comes to email,
> newsgroups and file management. I need a shell account
> since I prefer pine for email (never had a virus
> problem and the mail stays on the server for easy roaming)
> and tin for reading newsgroups. I use conventional Unix
> commands to manage my server files.

Date: Mon, 17 Dec 2001 17:45:43 -0500
From: "John L.Sielke" <jsielke@pobox.com>
To: "Mike Yetsko" <myetsko@insydesw.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115153] Re: Opinions on Earthlink?
Message-ID: <0112171745430E.02395@njbirdman>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Monday 17 December 2001 17:12, Mike Yetsko wrote:

> To be fair, a LOT of it really was the phone lines. But they wouldn't
> expand service to work around the issues, and they would stonewall
> you when you called. It was always YOUR problem, and they were
> doing you a favor by even answering the phone. Oh, not always. If you
> had problems OTHER than access, it seemed you would go to a different
> group when you called, and they were polite and helpfull. But that was
> not even 5% of the problems.
>
> ANY service you are thinking of getting, find out the customer service
> numbers and CALL THEM NOW just to see how long it takes before
> you get someone on the phone! It can make a BIG difference in how
> you feel later on!
>
> Mike

--
Sound Advice. I was unable to get DirecTV DSL. Just as well, as was never
on hold less than 20 minutes. Verizon REALLY is bad. Not only do they lie

about DSL availability, but they REFUSE to even check your lines if you mention that you are using it for a computer. I have been trying to get some kind of fast Internet, and it has been a nightmare! Now Comcast claims they have @home service available here. I'll believe it when I see it.

John (Vineland)

Date: Mon, 17 Dec 2001 16:14:06 -0700
From: "Bob Hightower" <nk7m@extremezone.com>
To: <TORourke@KaiserFT.com>
Cc: "qrp list" <qrp-l@lehigh.edu>
Subject: [115154] Re: DXpedition 2 Delaware
Message-ID: <001901c18750\$87565500\$88127d3f@nk7m>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Tim ORourke" <TORourke@KaiserFT.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, December 17, 2001 11:15 AM
Subject: DXpedition 2 Delaware

> Taking up a collection for mythical trip to Delaware, if we can locate it.
> Tim KG4CHX

Sounds good. I'll email you a check :^)

Bob NK7M

Date: Mon, 17 Dec 2001 16:29:04 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: <w2agn@pobox.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115155] Re: Delaware 29 December was: Re: DXpedition 2 Delaware
Message-ID: <004601c18752\$9e0bb540\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Man, a week ago Delaware didn't even exist (for me). Now you can't swing a dead cat with hearing about hams working from Delaware!!! ;-)

Happy Holidays
73, Rod NØRC
Ft Collins, CO

----- Original Message -----

From: "W2AGN" <w2agn@pobox.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, December 17, 2001 1:40 PM
Subject: Re: Delaware 29 December was: Re: DXpedition 2 Delaware

> On Monday 17 December 2001 14:04, brickle wrote:
> >
> > On Saturday 29 December, N4HY and AB2KT will be attempt the border
> > crossing into Delaware with radios and antennas. Exact site TBD.
> > Current plan is to be up and running by 1200 EST and to operate
> > through approx. 2200 EST.
>
>
> --
>
> Look into Brandywine Creek State park. The main parking lot is
adjacent to
> trees for antennas, and it seemed a good location when I was there
for QRP
> Afield.
>
> I'll look for you, as I will also be on from Marcus Hook Range light
in DE.
>
> -----
> John L Sielke W2AGN
> w2agn@pobox.com
> <http://www.qsl.net/w2agn>
>

Date: Mon, 17 Dec 2001 18:35:15 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: <qrp-l@Lehigh.EDU>
Subject: [115156] WANTED: Kits and Stuff

Message-ID: <03a701c18753\$7b139200\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am looking to purchase the following:

- VU Mini-Transmitter (Transceiver) kit
- FOXX Transceiver (board, kit, or built) - Made available by Kanga. NOT the FOXX-2. I'm looking for the "original" FOXX that did not use a LM386. Note: the FOXX-2 boards are marked "FOXX" but use a LM386 audio amplifier IC.
- STX - The "Simple Transmitter" by George Burt - GM30XX From SPRAT Summer 1983 - Boards were made available by Kanga
- NorCal Forty-9er (49'er) REVA (board, kit, or built)
- NorCal Forty-9er (49'er) REVB (board or kit)
- KnightLites KnightSMiTE (kit)
- WA6BOY Contest Pixie (kit, or built) - Must be original from the "Great Dayton Building Contest 1995" - not the current HSC version of the Pixie2. The "Dayton Pixie 2" required the trace between the pins on C11 cut. This was a mistake on the board and ONLY applies to the Dayton kits.
- Prototypes of ANY of the club or commercial kits.
- Original documentation, notes, schematics drawn on napkins, etc. for ANY of the club or commercial kits (Note: I would prefer the "originals" but photocopies or scans are fine.)

72/73 DE KA8MAV (Brice)
Indianapolis, IN EM79au
QRPP-I #1, QRP ARCI #10972, QRP-L #2360, ARRL
KLQRP, FPQRP -156, ARS #1,138, NETXQRP #27
AOL Instant Messenger ID: ka8mav
Yahoo! Instant Messenger ID: bdhornback

QRPP International Radio Club
Tiny-Tornado Transceiver Kits
<http://www.QRPP-I.com>

Date: Mon, 17 Dec 2001 18:42:44 -0500
From: "Harry Hurst" <wa3ptg@home.com>
To: <iflyos@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115157] Re: DXpedition 2 Delaware
Message-ID: <007f01c18754\$8c789580\$0400a8c0@home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I could be the friendly native guide. I know where the highpoint is.

Hap, WA3PTG
Wilmington, mythical DE

----- Original Message -----

From: "Tim A. King Jr." <iflyos@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, December 17, 2001 1:23 PM
Subject: Re: DXpedition 2 Delaware

> I will help out by asking Yaseu and Kenwood for rigs....Of course, since
> this will be a special chance to activate a rare location, we will need to
> test the radios to insure they will fit our needs. I think a year for
> testing should be sufficient...

>

> A TS-2000 and a FT1000MP for each operating position should be ok, don't
you
> think?

>

> TK

>

>

> -----Original Message Follows-----

> From: Tim ORourke <TORourke@KaiserFT.com>
> Reply-To: TORourke@KaiserFT.com
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Subject: DXpedition 2 Delaware
> Date: Mon, 17 Dec 2001 13:15:17 -0500
>

> Taking up a collection for mythical trip to Delaware, if we can locate it.
> Tim KG4CHX

>
>
>
>
> Tim A. King, Jr.
> KG4MQD
> Vice President, Forsyth Amateur Radio Club
> Winston Salem, NC
> AMA# 578668
> QRPp International #11
> Greater Piedmont QRP Club
> <http://kg4mqd.tripod.com>
>
>
> -----
> Chat with friends online, try MSN Messenger: <http://messenger.msn.com>
>

Date: Mon, 17 Dec 2001 18:45:13 -0500
From: "Harry Hurst" <wa3ptg@home.com>
To: <WD8CIV@worldnet.att.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115158] Re: Delaware 29 December was: Re: DXpedition 2 Delaware
Message-ID: <008901c18754\$dfdba140\$0400a8c0@home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The locals here speak filllydelfiyn. Interpreters are available.

Hap

----- Original Message -----
From: "David Hinerman" <WD8CIV@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, December 17, 2001 2:28 PM
Subject: Re: Delaware 29 December was: Re: DXpedition 2 Delaware

> If I could remember the prayer that was said for the explorers boarding
the
> spaceship in "Close Encounters of the Third Kind" I'd say it for you, but

> since I can't, you'll have to make do with some words of wisdom:
>
> 1) Obey the speed limit.
> 2) Don't drink the water.
> 3) You're representing the United States and, specifically, ham radio
> operators. Try to make a good impression.
> 4) "Bordello" is not Delawarese for "bus station."
>
> Enjoy your trip, and be sure to make you your wills before you go.
>
> Dave
>
>
> At 02:04 PM 12/17/2001 -0500, you wrote:
> >
> > Taking up a collection for mythical trip to Delaware, if we can locate
> it.
> >
> >At last sighting it was due south from here in NJ. But that was
> >some time ago, and on a direct line to the Bermuda Triangle.
> >
> >Therefore, with as much certainty as the current world will allow,
> >we announce a plan:
> >
> >On Saturday 29 December, N4HY and AB2KT will be attempt the border
> >crossing into Delaware with radios and antennas. Exact site TBD.
> >Current plan is to be up and running by 1200 EST and to operate
> >through approx. 2200 EST.
> >
> >We will have two FT-817s and an assortment of antennas, incl
> >a W3FF Buddipole, 100-foot wire, a 200-foot loop, a 1/2-size G5RV,
> >and a souped-up MP-1, to be employed depending on the site. For
> >spotting and as a hedge against rotten propagation we will have a
> >backup QRO rig (50w) but with power only for brief periods of
> >operation.
> >
> >At present we plan to run two bands concurrently, CW only. Freqs
> >depending on condx but leaning on 20 and 40. SSB and other freqs
> >as interest indicates. If all goes well we may take a spin on 6m.
> >
> >73, and may fate guide our footsteps and have mercy on our souls
> >as we lurch into the unknown.
> >
> >Frank, AB2KT
> >Bob, N4HY
>
>
> -----

> Dave Hinerman
> WD8CIV@worldnet.att.net
>

Date: Mon, 17 Dec 2001 18:53:41 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: Richard McGaver <rmcgaver@wi.rr.com>,
"QFOX@egroups.com" <QFOX@egroups.com>, QRPL <qrp-1@Lehigh.EDU>
Subject: [115159] Re: Log Correction VE3FAL
Message-ID: <3C1E8585.4B227857@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks:

Hope this is not too late. But I did miss a QSO marked in my log, that I had scribbled over. It was at 0242 with Rick, NK9G.. My apologies to Rick.

Fred
VE3FAL

TIME	CALL	RPT	SPC	NAME	PWR
0201	WD4MSM		599	IN BARRY	5W
0203	K0EVZ		599	ND DOC	5W
0204	W5USJ		559	TX CHUCK	5W
0205	N0AR	599	MN	SCOTT	5W
0206	N0DSP		559	CO TOM	5W
0207	N0UR	599	MN	JIM	5W
0208	K9DC	559	IN	DAVE	5W
0208	W0UFO		559	MN MERT	5W
0209	AA50	599	LA	VERN	5W
0210	N5GJQ		559	LA MIKE	5W
0212	WA8WV		559	WV DAVID	5W
0214	W0PWE		559	IA JERRY	5W
0215	W9HL	559	IL	RANDY	5W
0216	VE6EX		559	AB DAN	5W
0217	VE5RC		559	SK BRUCE	5W
0218	WV9N	559	OH	RANDY	5W
0219	KQ5U	559	TX	TERRY	5W
0220	K3PH	599	PA	BOB	5W

0221	K8CV	559	MI	WALT	5W		
0222	KK5LD		559	TX	DAN	5W	
0223	W8RU	599	MI	RON	5W		
0224	N2WW	559	CO	LARRY		5W	
0226	AF4PS		579	FL	MAC	3W	
0227	AG0T	559	ND	TODD		4W	
0228	W5YR	559	TX	GEORGE		5W	
0229	N1TP	599	FL	TOM	5W		
0231	K0FPR		589	CO	AL	5W	
0232	K4TJD		559	GA	TOM	5W	
0233	W8WJW		559	MA	JOHN	5W	
0235	W5TB	559	TX	DOC	5W		
0236	N4ROA		559	VA	DAN	5W	
0237	W6DWW		569	CA	DES	5W	
0238	WA8BXN		599	OH	MIKE	5W	
0239	K5DI	559	NM	KARL	5W		
0241	KD5KXF		559	TX	MIKE	5W	
0242	NK9G		559	WI			RICK 5W
0243	K8KFJ		559	WV	GARY	5W	
0244	WB8ICN		599	MI	MIKE	5W	
0246	W0CH	599	MO	DAVE	900MW		
0247	WD7Z	559	NM	DAVE	5W		
0250	KB9YIG		559	IN	TONY	5W	
0251	K5DW	559	TX	DON	5W		
0252	K4ADI		559	SC	FRANK		5W
0253	K5JHP		559	TX	BILL	5W	
0254	KV4EE		559	SC	CRAIG		5W
0255	W0RSP		569	SD	ADE	4W	
0256	N4MAP		599	GA	SAM	5W	
0257	N0RC	559	CO	ROD	5W		
0302	NQ7X	559	AZ	FLOYD		5W	
0304	AF4LQ		559	KY	MIKE	5W	
0305	NM5M	559	TX	ERIC	4W		
0307	N0TK	559	CO	DAN	5W		
0307	K3IU	559	RI	KEN	5W		
0311	K4BYF		559	FL	JACK	5W	
0314	KB7WW		559	OR	ART	5W	
0314	K5OI	559	OK	TIM	5W		
0315	K6VNX		559	CA	ARLEN		5W
0316	AB0CD		559	CO	DICK	5W	
0317	K5BGB		589	TX	ROD	5W	
0320	N3ZPQ		559	OH	FRANK		4W
0321	N1Q0	559	VT	JOHN	5W		
0324	AC5JH		559	OK	TOM	5W	
0325	WE9K	449	WI	GLEN	5W		
0327	K7TQ	339	ID	RANDY		5W	
0328	NV4V	599	KY	PETE	5W		
0329	W7ILW		559	AZ	WALT	5W	

0330	N9AW	449	WI	JERRY	5W	
0332	WR50	559	TX	DAVE	5W	
0333	VE6KG	579	AB	NORM	5W	
0334	K5ZTY	559	TX	BILL	5W	
0336	K4FB	579	FL	PAUL	5W	
0337	KC9LC	559	VA	RANDY	5W	
0338	N2CQ	559	NJ	KEN	5W	
0339	W9XU	559	WI	LON	4W	
0340	WB8WTU	559	OH	DENNIS	5W	
0342	KC1FB	559	CT	JIM	5W	
0343	KI0II	559	CO	RON	5W	
0344	WA9TZE	339	WI	JIM	5W	
0345	KJ0C	589	MO	JIM	5W	
0346	N0TU	559	CO	STEVE	5W	
0347	KC0ATC	559	CO	CHRIS	3W	
0348	K5TF	559	GA	DICK	2W	
0349	WB6BWZ	579	GA	MATT	5W	
0352	N5WL	559	OK	BART	5W	
0354	AA7XA	559	OR	FRANK	5W	
0356	AD4IH	339	FL	JOE	5W	
0359	W0JOE	559	MO	JOE	5W	
0400	VE3FAL		FOX	ONT	FRED	5W

Fred
VE3FAL

End of QRP-L Digest 2408
